

10

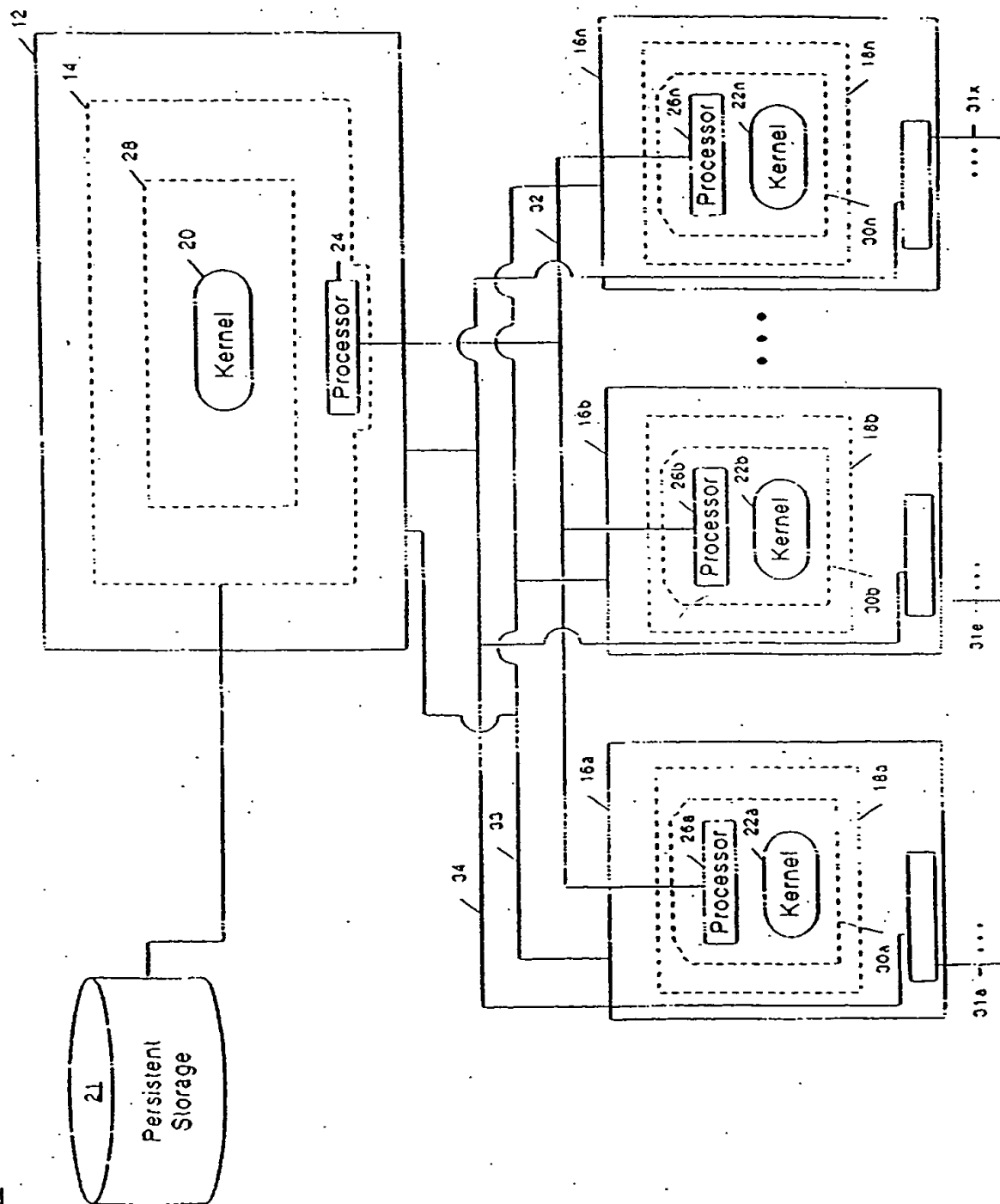


Fig. 2a

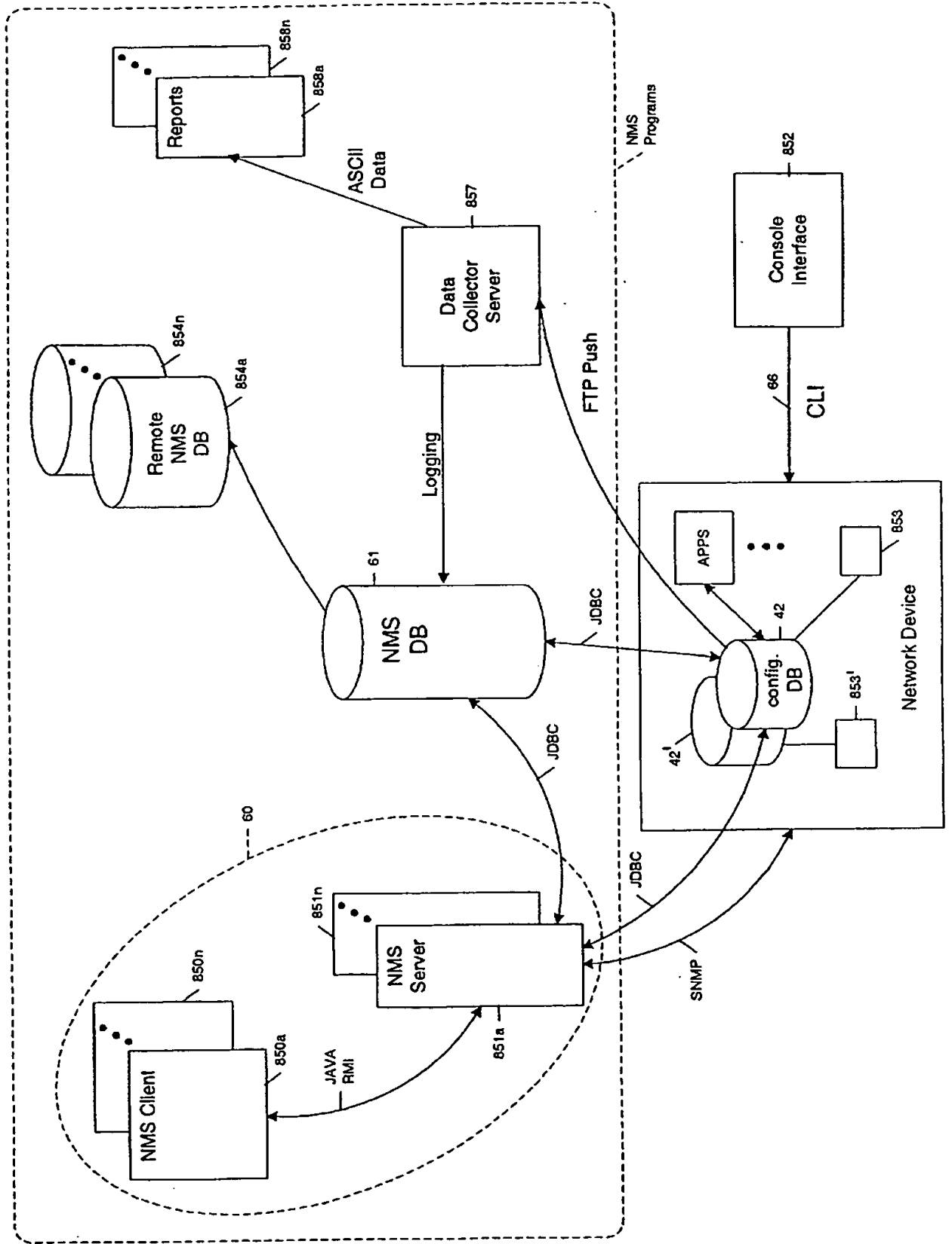


Fig. 2b

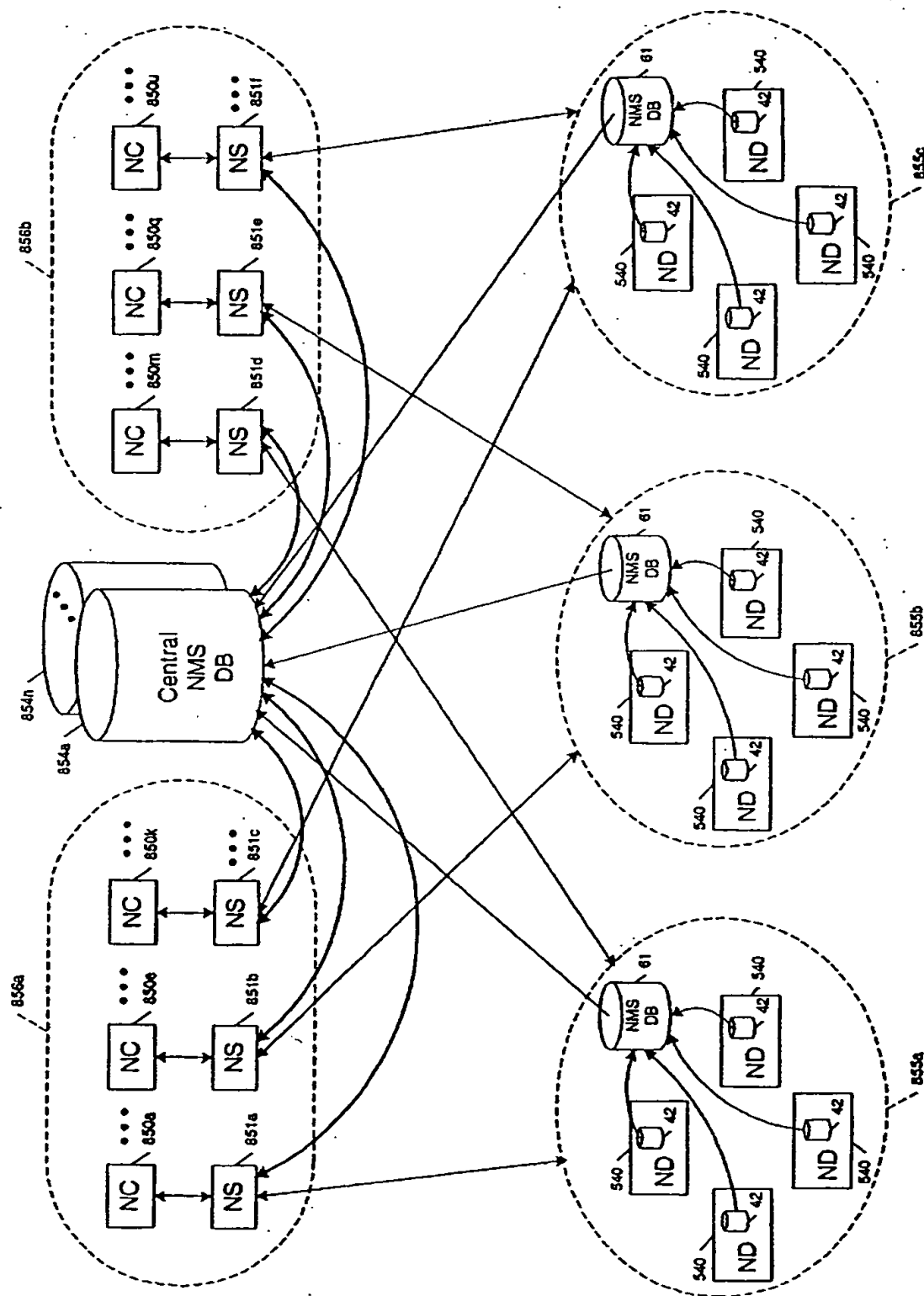


FIG. 3a

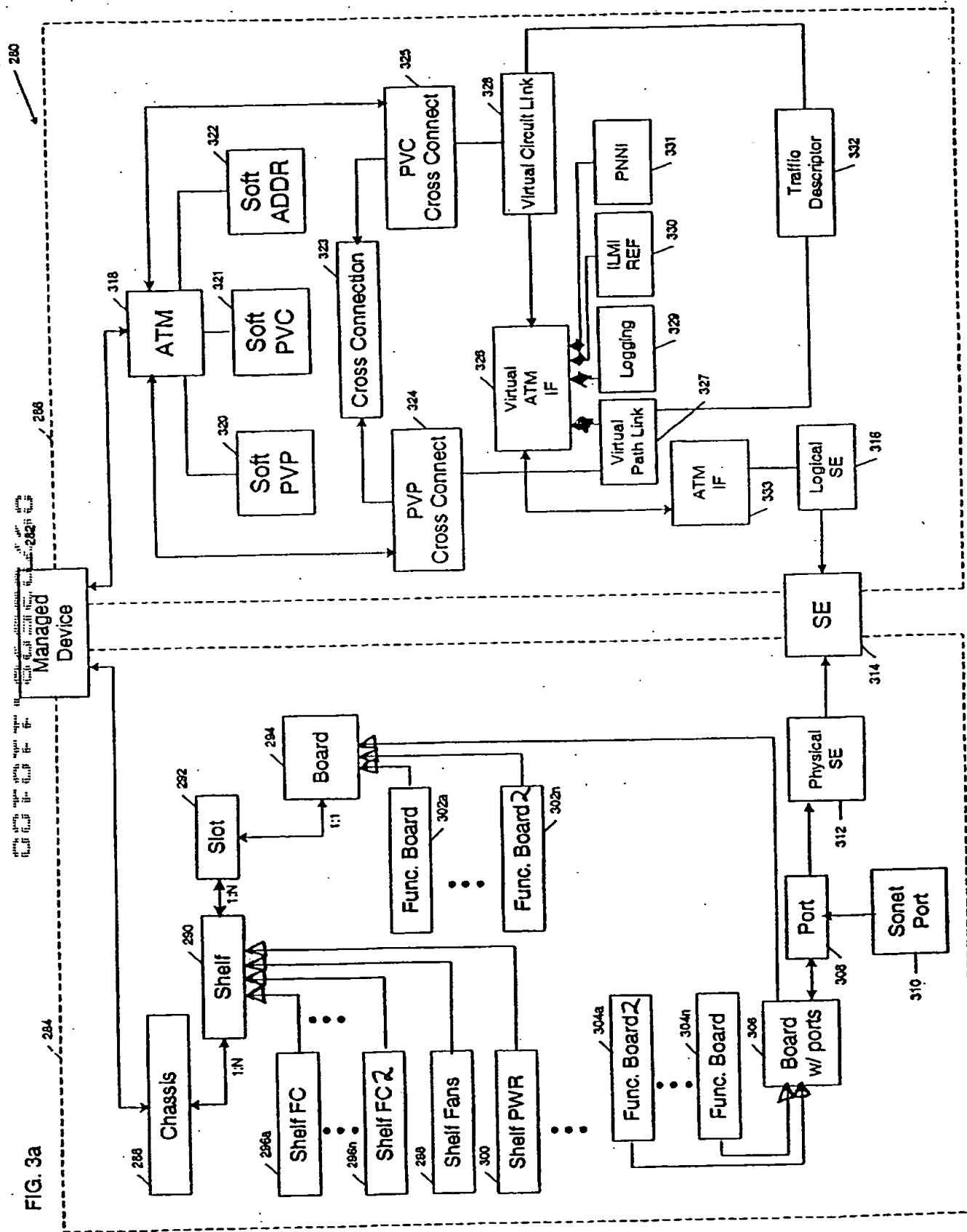
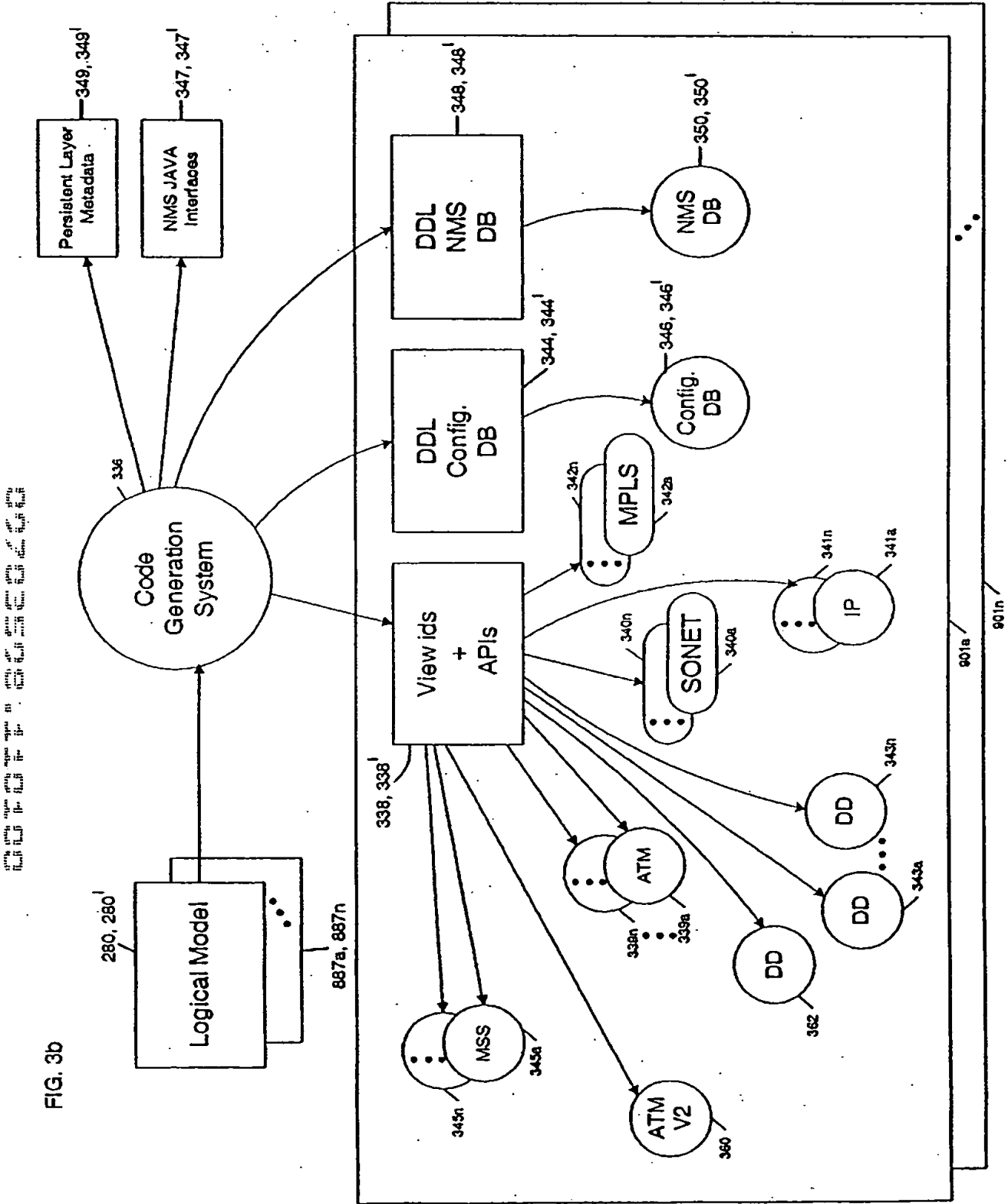


FIG. 3b



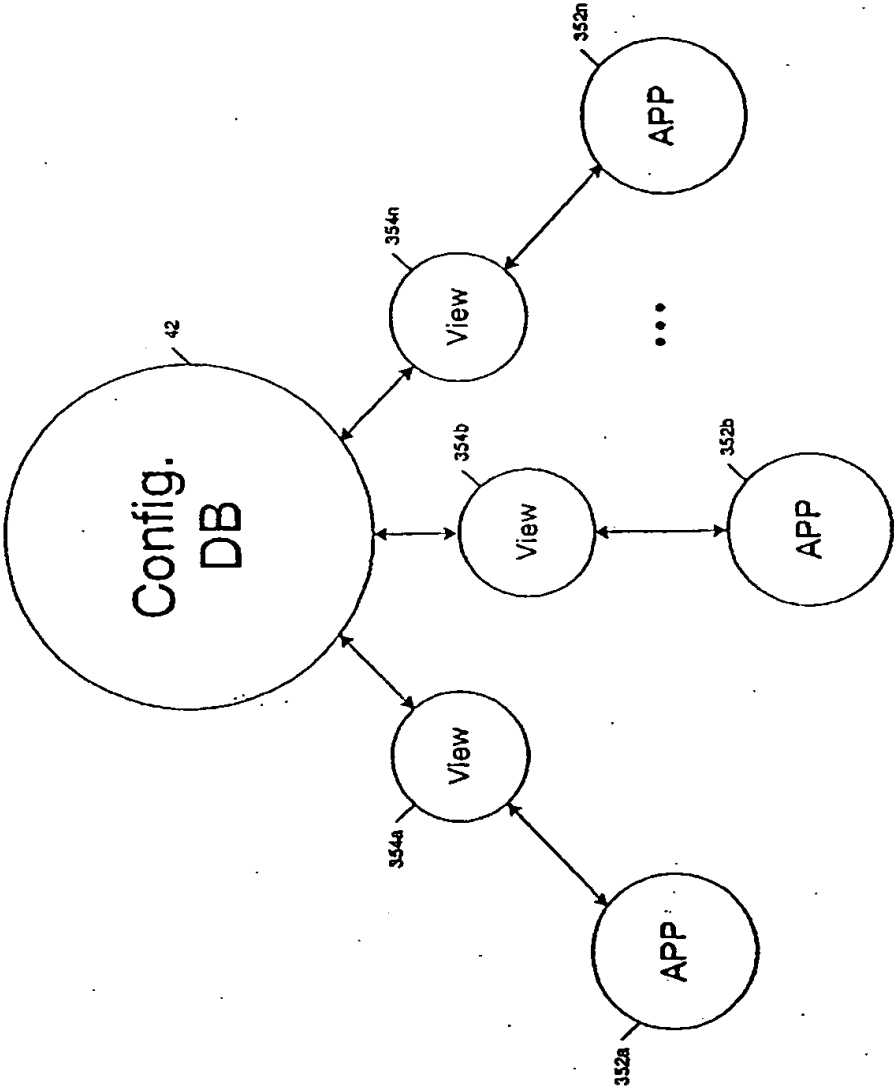
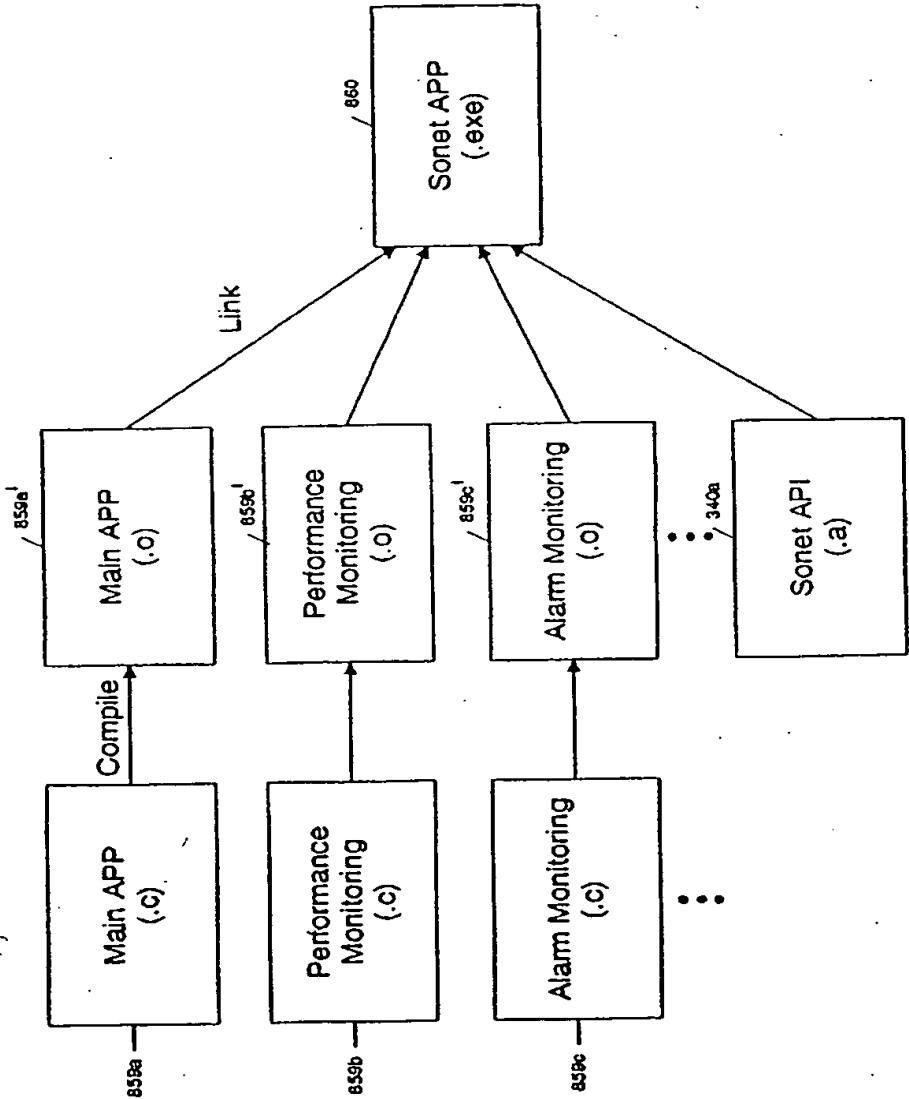


FIG. 3c

Fig. 3d

Build SONET Application



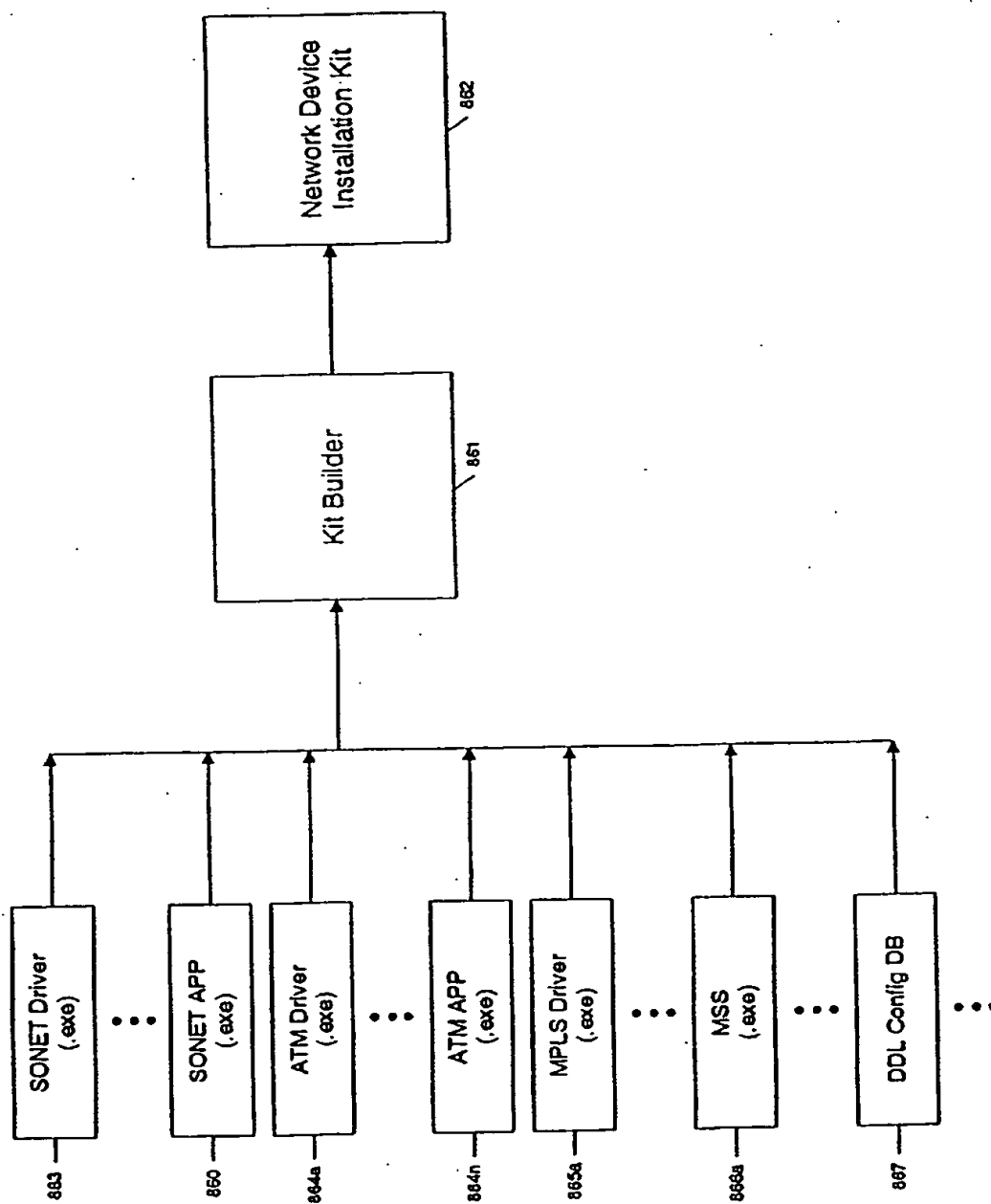


Fig. 3e

FIG. 3R

Fig. 3R

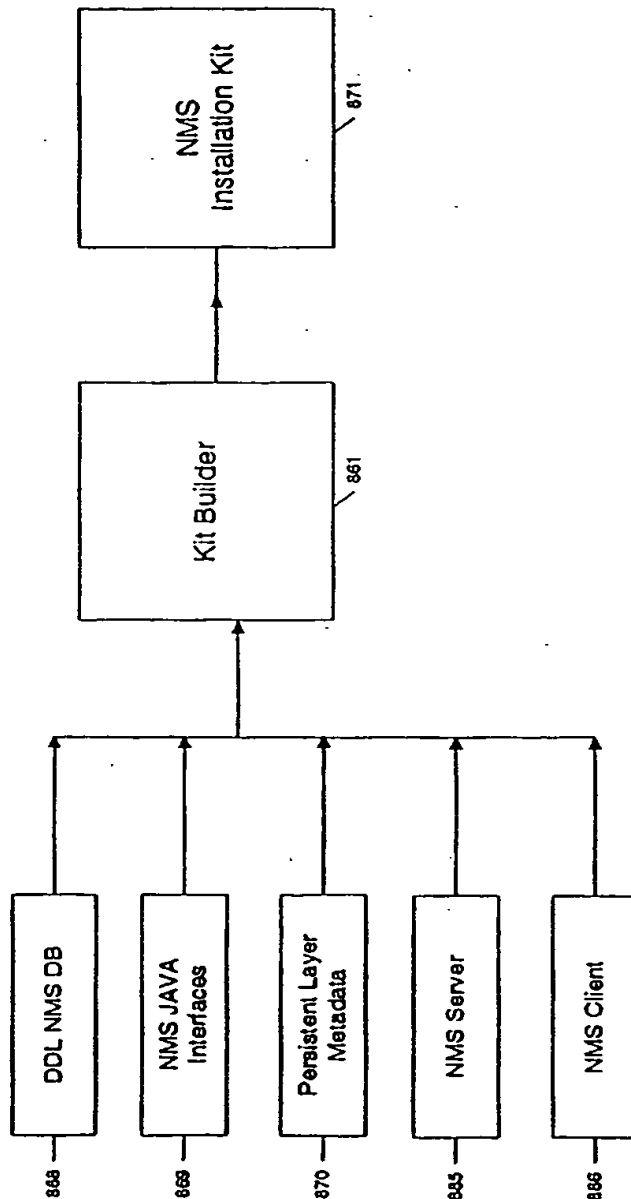


Fig. 39

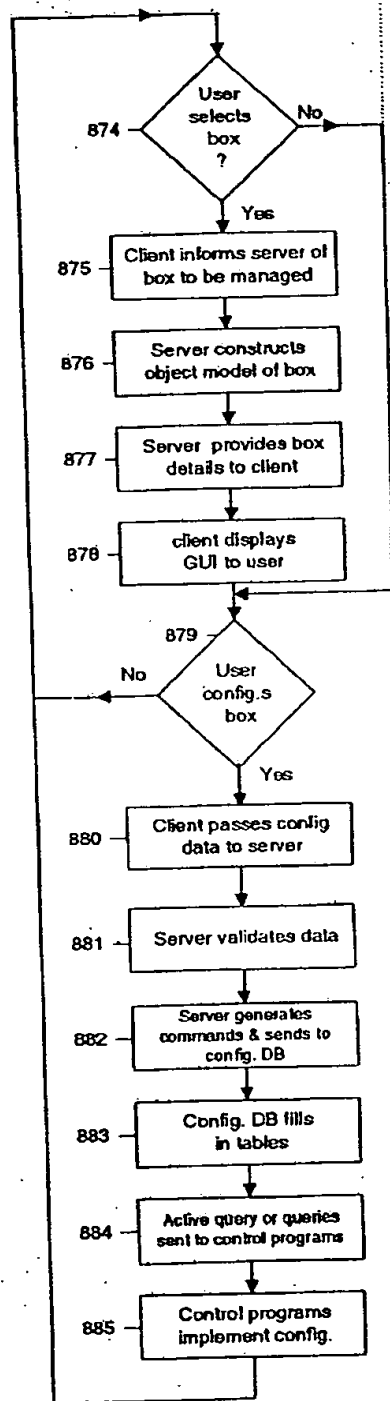
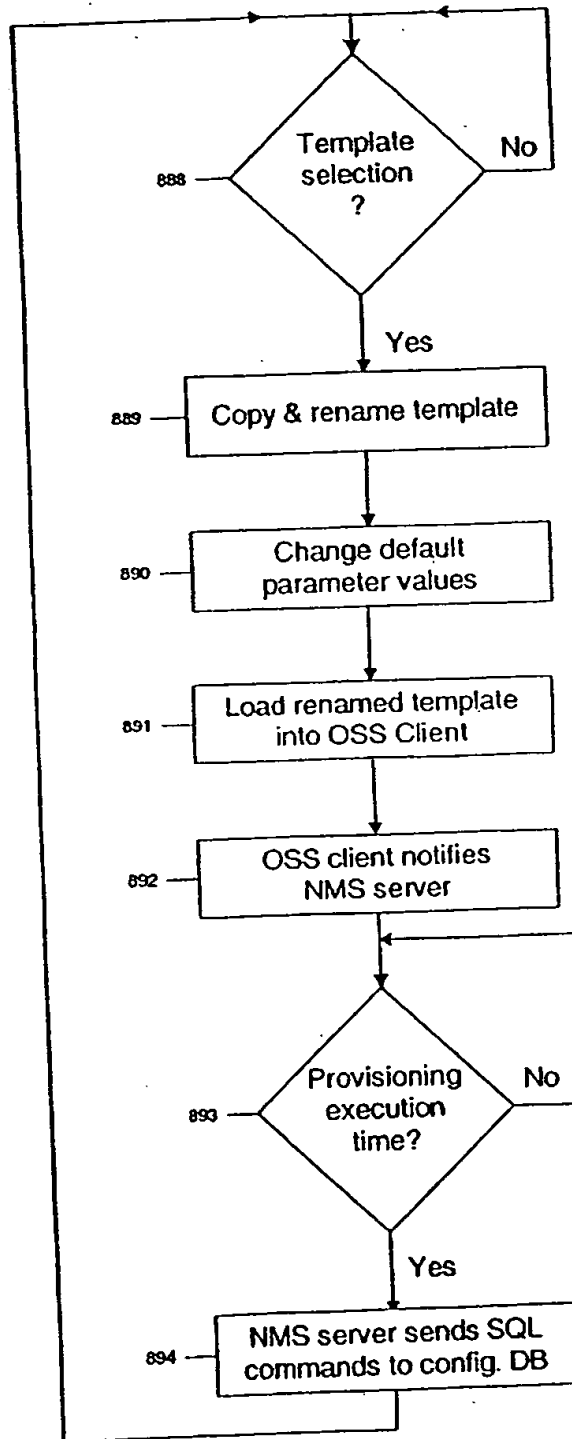


Fig. 3h



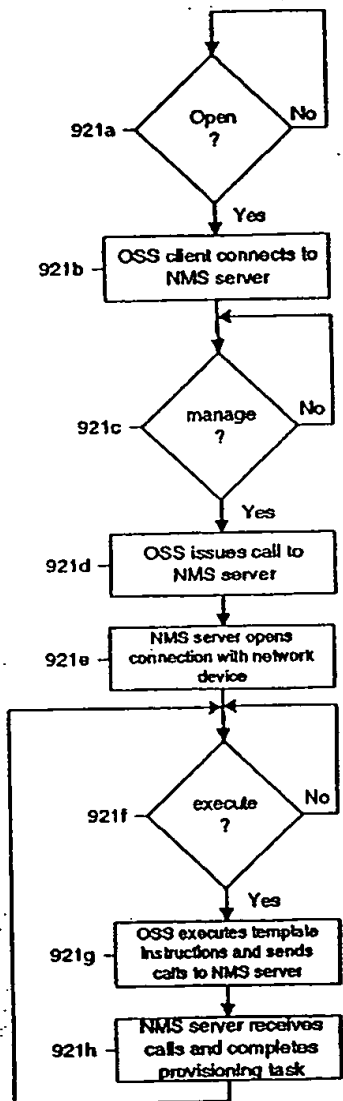
```

912 Command Prompt (2) - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> help
Commands are:
bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetcli>
Enetcli>
Enetcli> showCurrent SPATH
AIMIfName=AIMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=AIM
ShelfID=11
SlotID=1
Type=Terminated
Version=U1_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
Enetcli> showTemplate SPATH
AIMIfName=<String>[TerminatedOnly]
Concatenated=<true if false>
Name=<String>
Operant=SPATH
Operator=<Create|Replace|Update|Delete>
PortID=<Integer><(1-16)>
Position=<Integer>
Service=<None|AIM>
ShelfID=<(1[top],13[bottom])>
SlotID=<Integer><(1-8)>
Type=<Switched|Terminated>
Version=U1_1_0_0
Width=<STS1|STS3|STS12|STS48>
Enetcli>
Enetcli>
Enetcli> status
Not currently connected to server
Supporting templates: CONTROL, PUC, SPATH, SPUC, ID, and UAIF
Enetcli>

```

Fig. 3i

Fig. 3j



19.3K

```
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> showCurrent CONTROL
Input=Q:\nns\com\equipecon\nns\utils\enetcli
Interactive=false
Operant=CONTROL
Operator=Manage
Output=Q:\nns\com\equipecon\nns\utils\enetcli
Password=None
System=192.168.9.202
User=None
Version=01_1_0_0
Server=localhost
Enetcli>
```

922-

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235

923a

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Fig. 3L

← 924 BATCH

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a-Task1=execute-SPATH

9246 --Task2=execute-PVC

924c—Task3=execute-SPVC

924d-Task4=load-SPVC-spvc1

924e-Task5=execute-SPVC

924f —Task6=load-SPVC-spvc2

924c-Task7=exccute-SPVC

924g - Task50=sct-SPATH-PortID-3

9244 —Task51=execute-SPATH

924i—Task52=set-SPATH-SlotID-2

924) -Task53=executc-SPATH

Fig. 3M

← 925

Operant=BATCH

Operator=Execute

- Version=VI_1_0_0

925a - Task1=execute-CONTROL

925b - Task2=execute-SPATH

925c - Task3=set-SPATH-PortID-3

925d - Task4=execute-SPATH

925e - Task61=set-CONTROL-System-192.168.9.201

925f - Task62=execute-CONTROL

925g - Task63=execute-SPATH

925h - Task108=close

925i - Task109=set-CONTROL-Server-Server1

925j - Task110=set-CONTROL-System-192.168.8.200

925k - Task111=execute-CONTROL

925l - Task112=execute-SPATH

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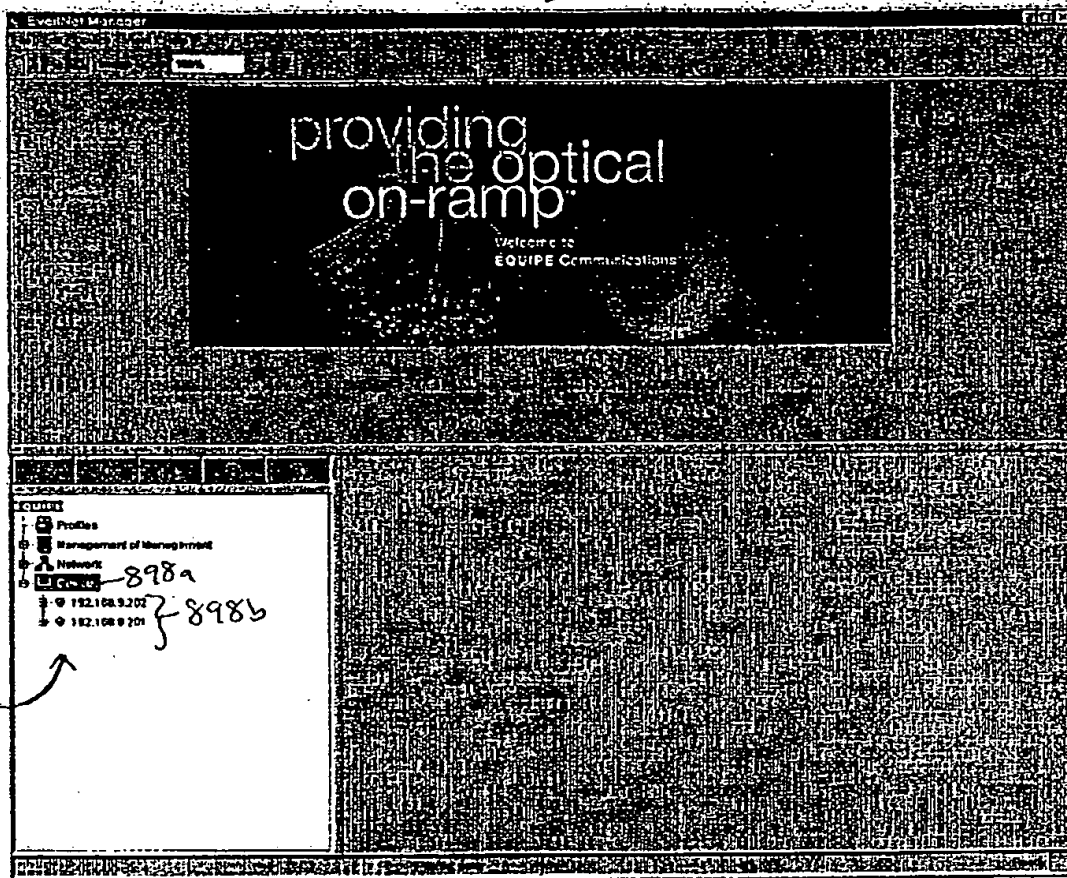


Fig. 4a

895

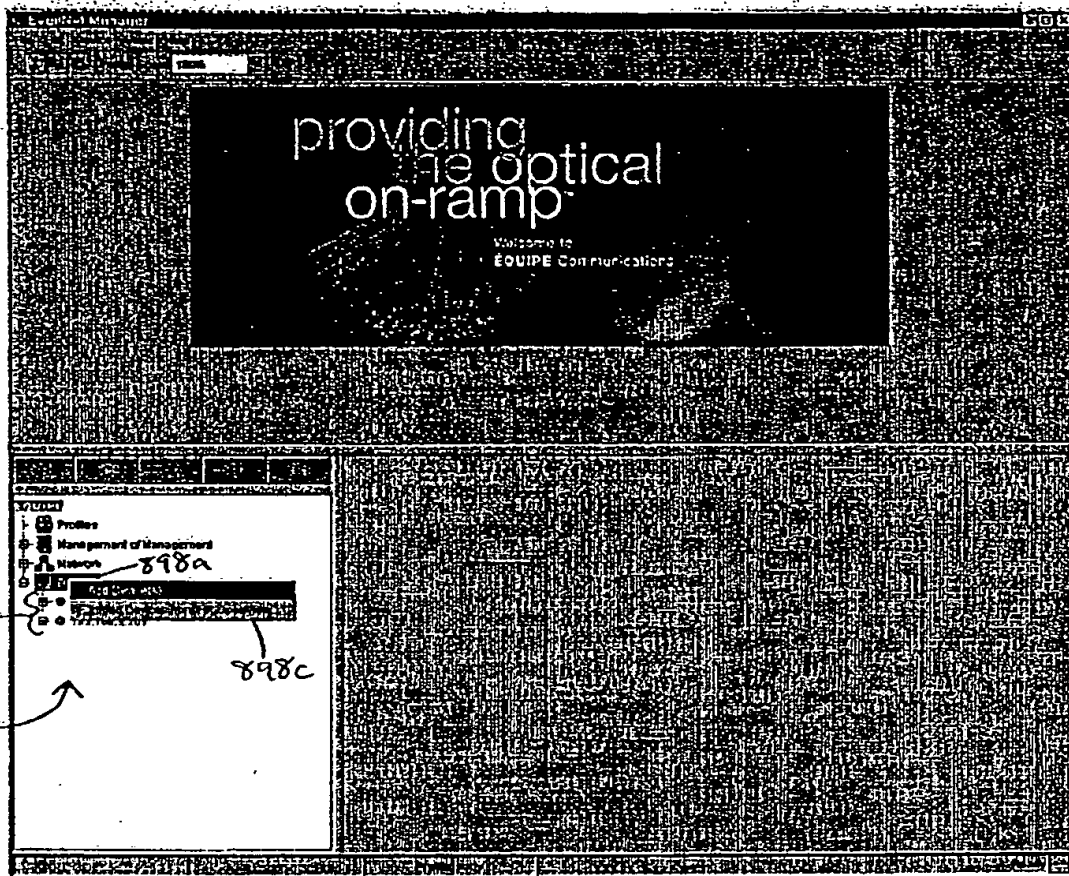
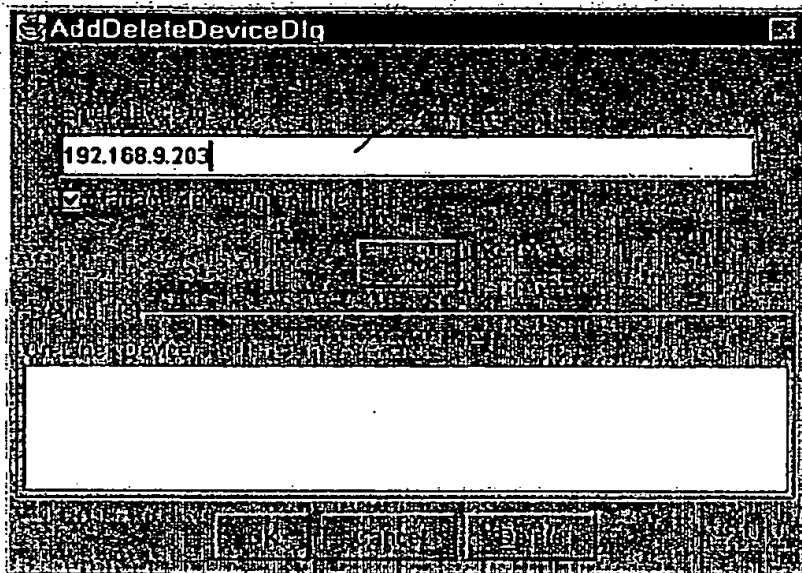


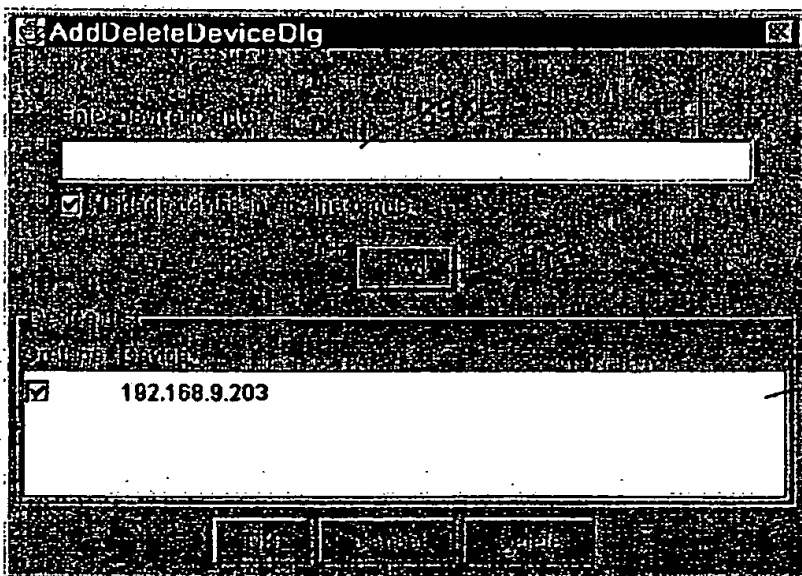
Fig. 4b

Fig. 4c



898d

Fig. 4d



898d

898g

898j

898i

898h

895

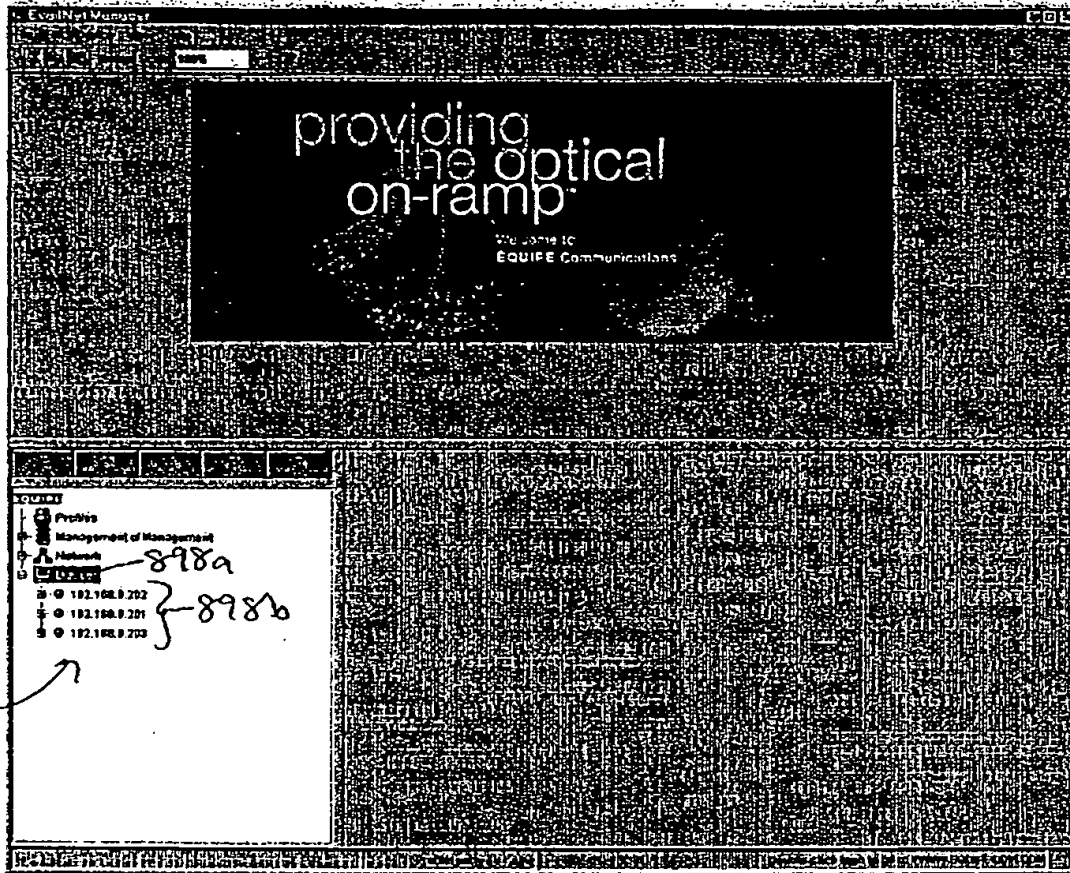


Fig. 4e

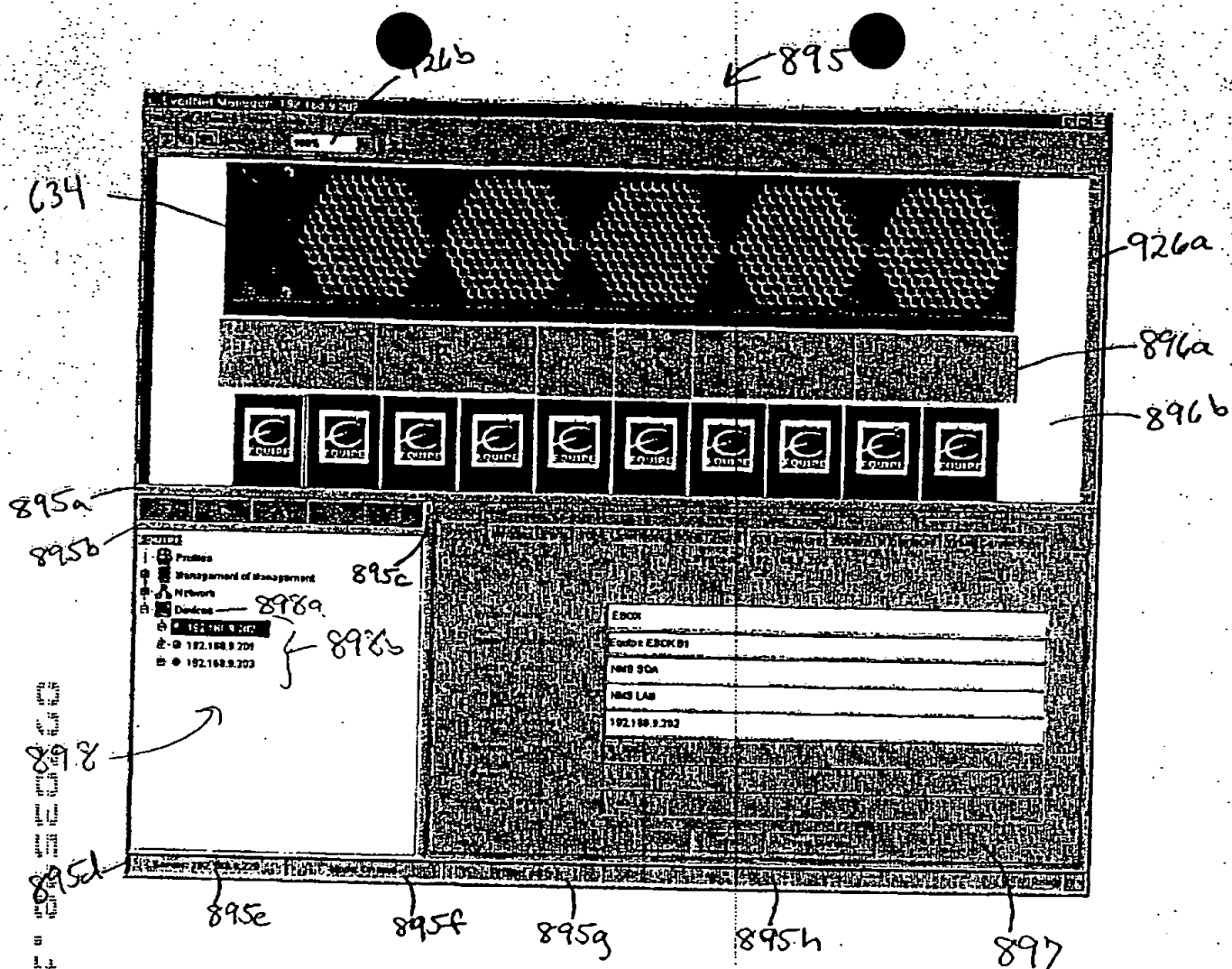


Fig. 4f

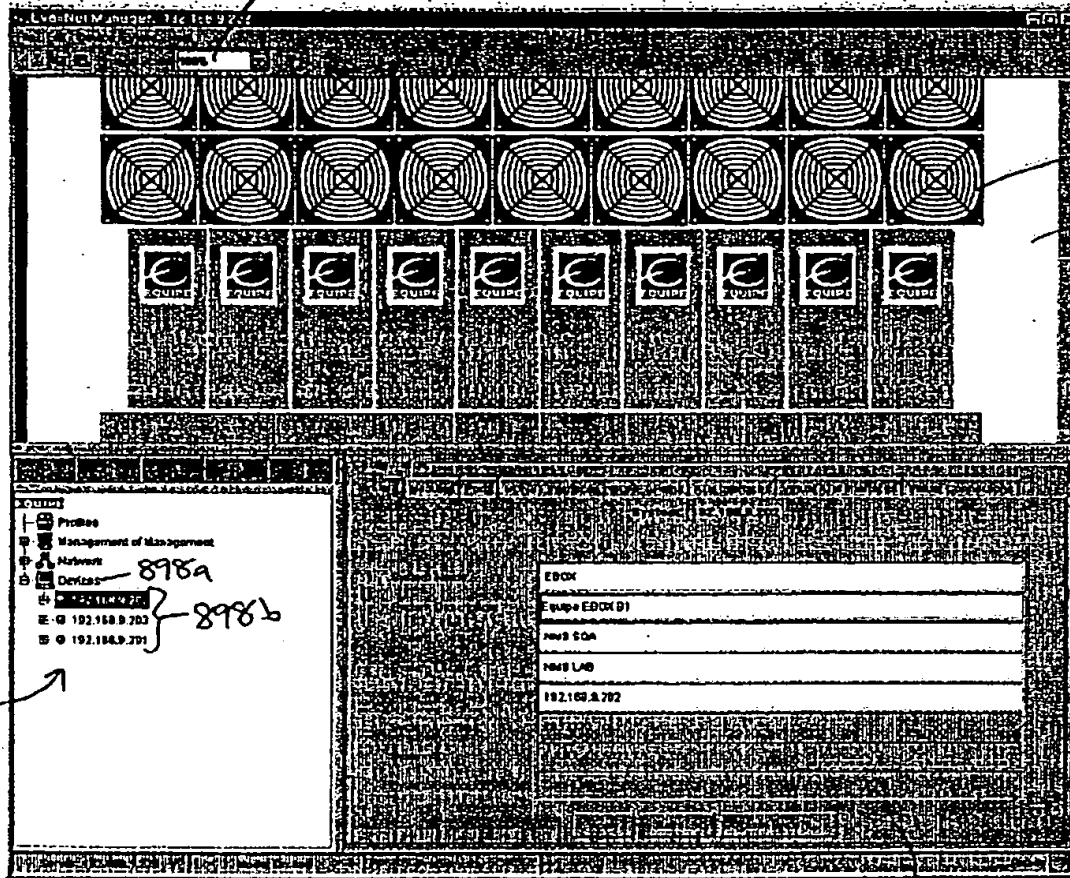


Fig. 4g

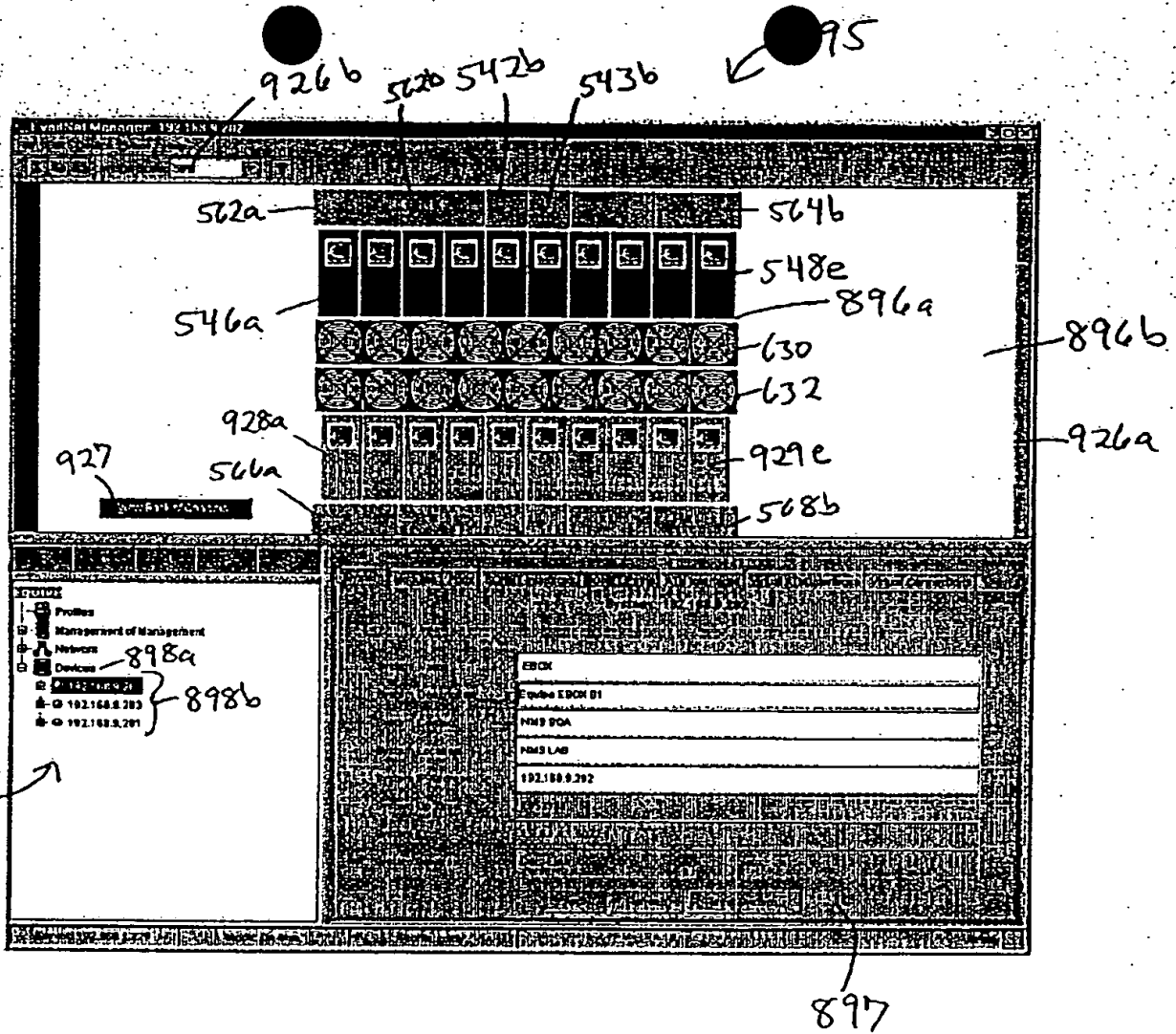


Fig. 4h

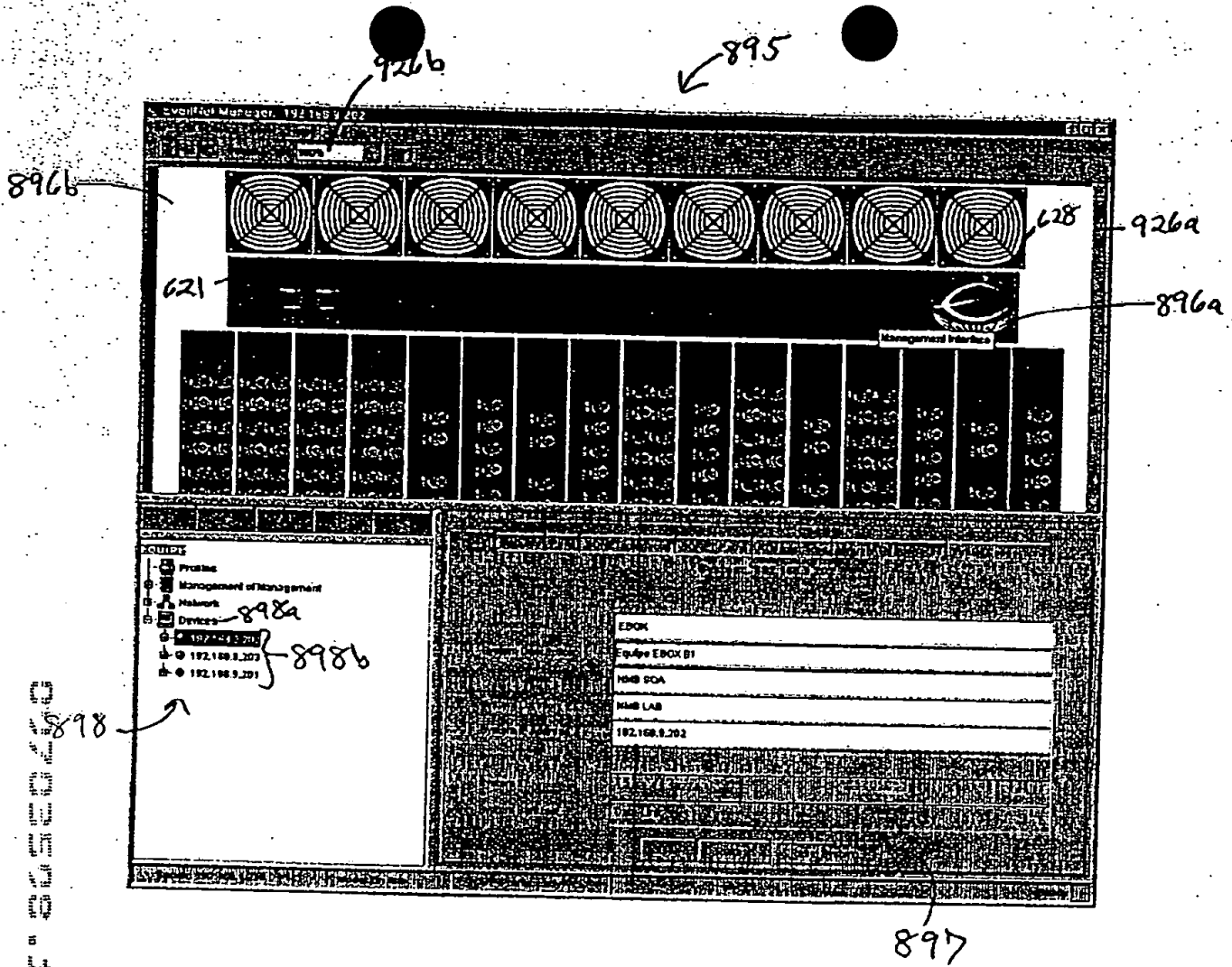


Fig. 4i

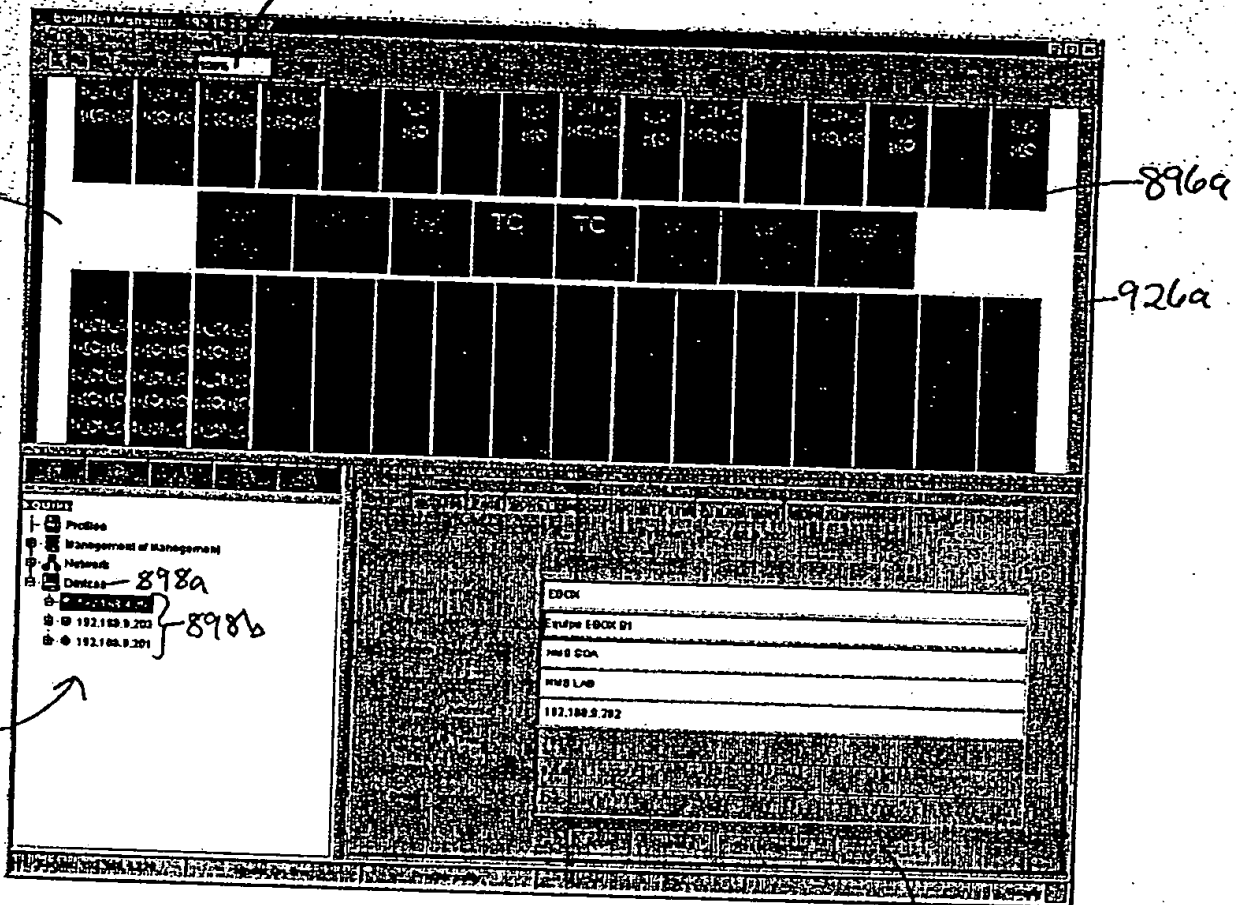


Fig. 4j

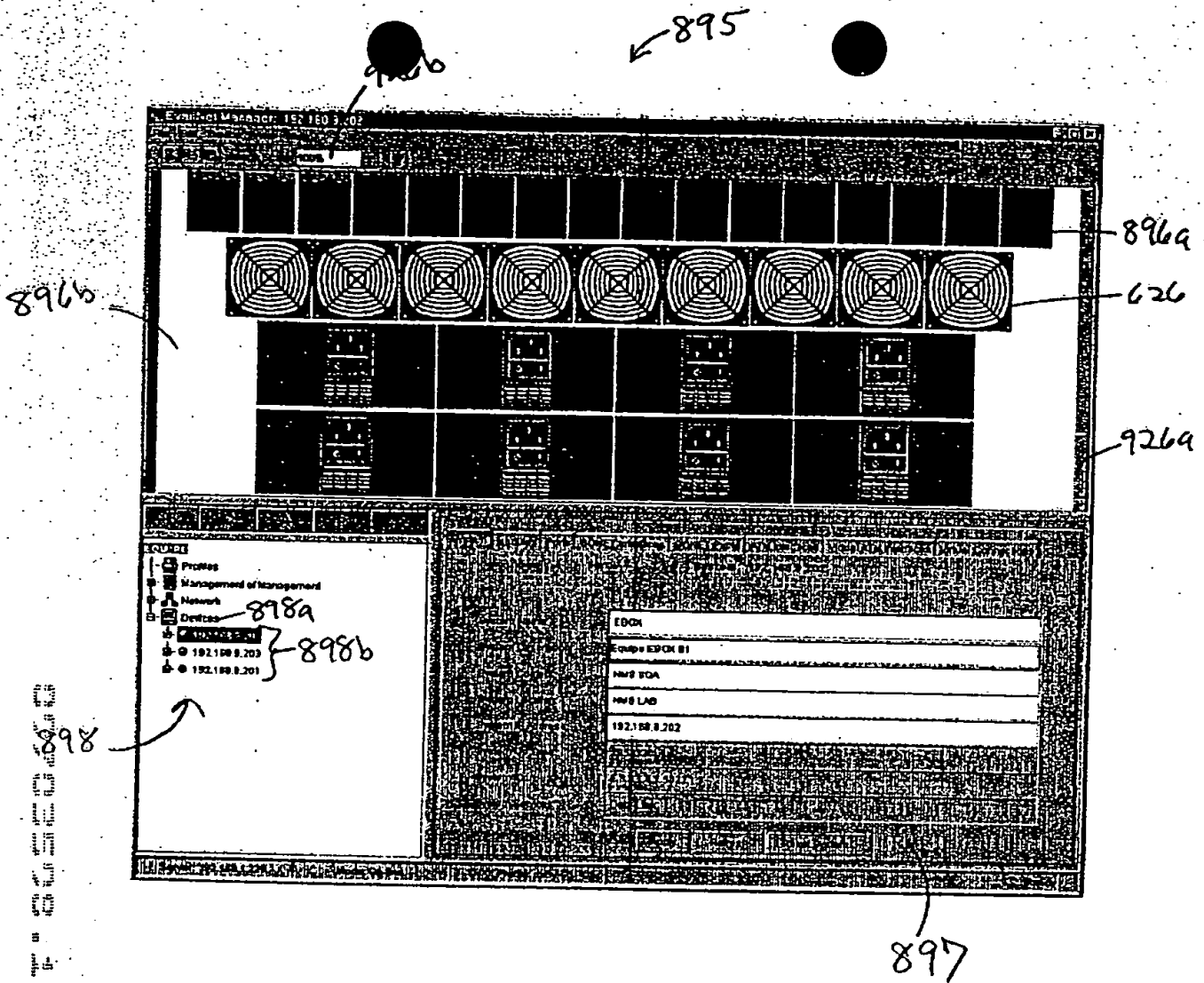


Fig. 4K

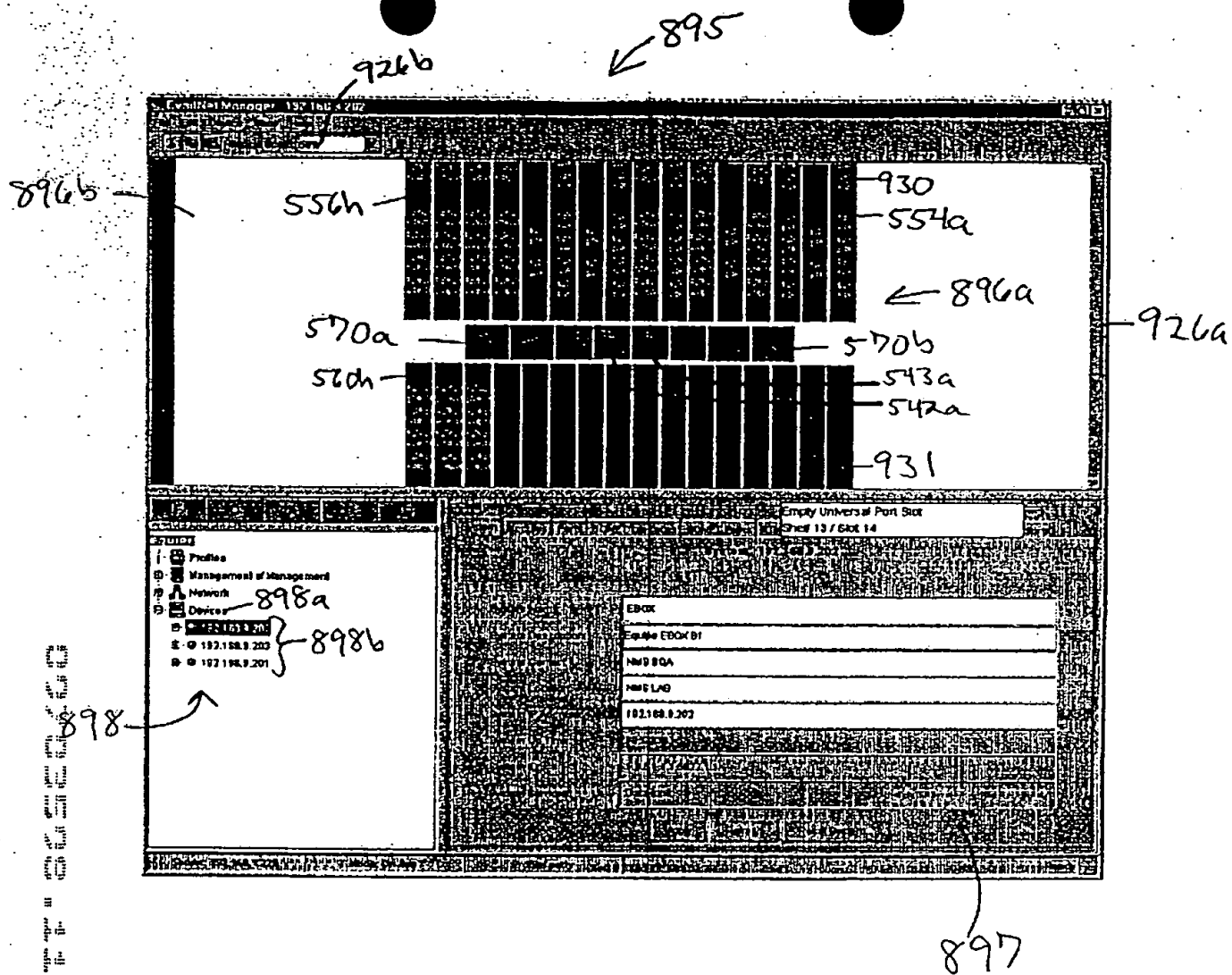


Fig. 41

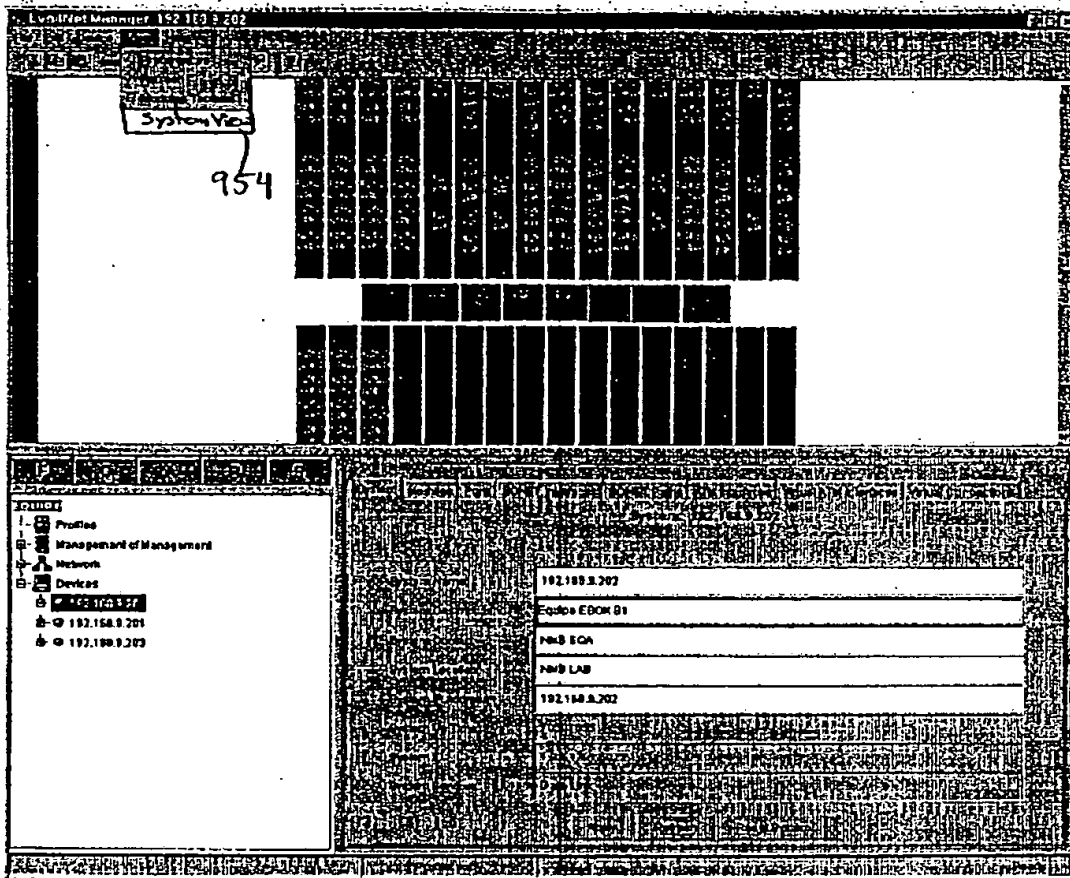
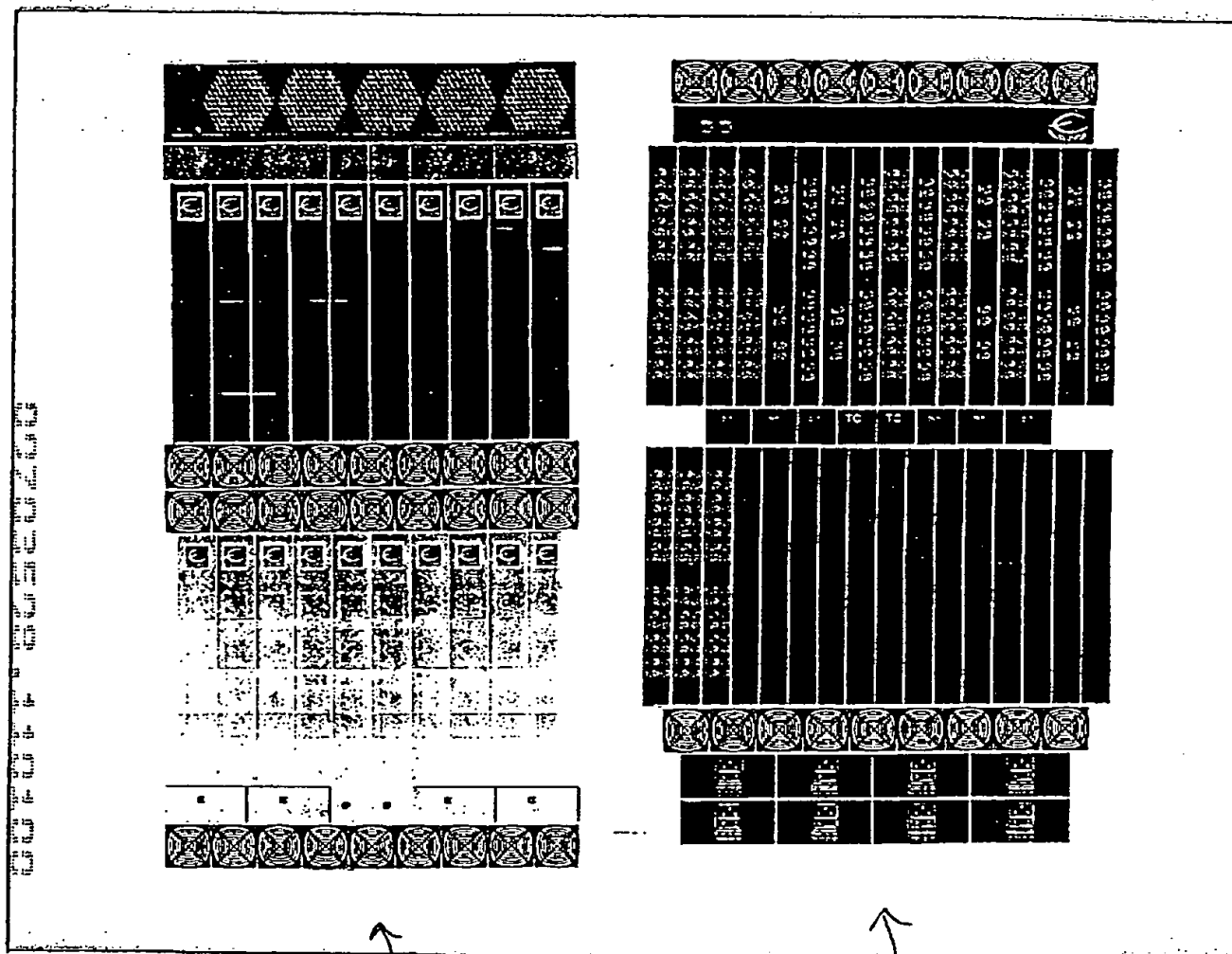


Fig. 4m

✓ 955



9556

Fig. 4n

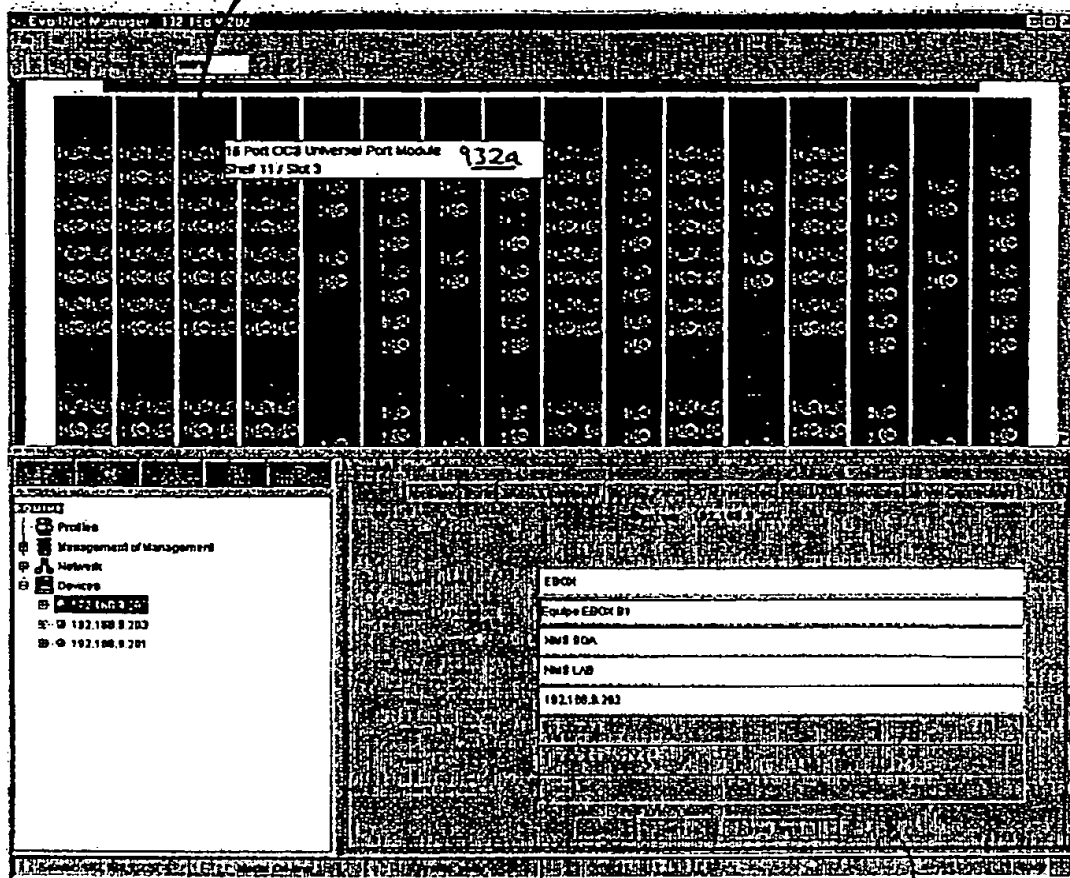


Fig.40

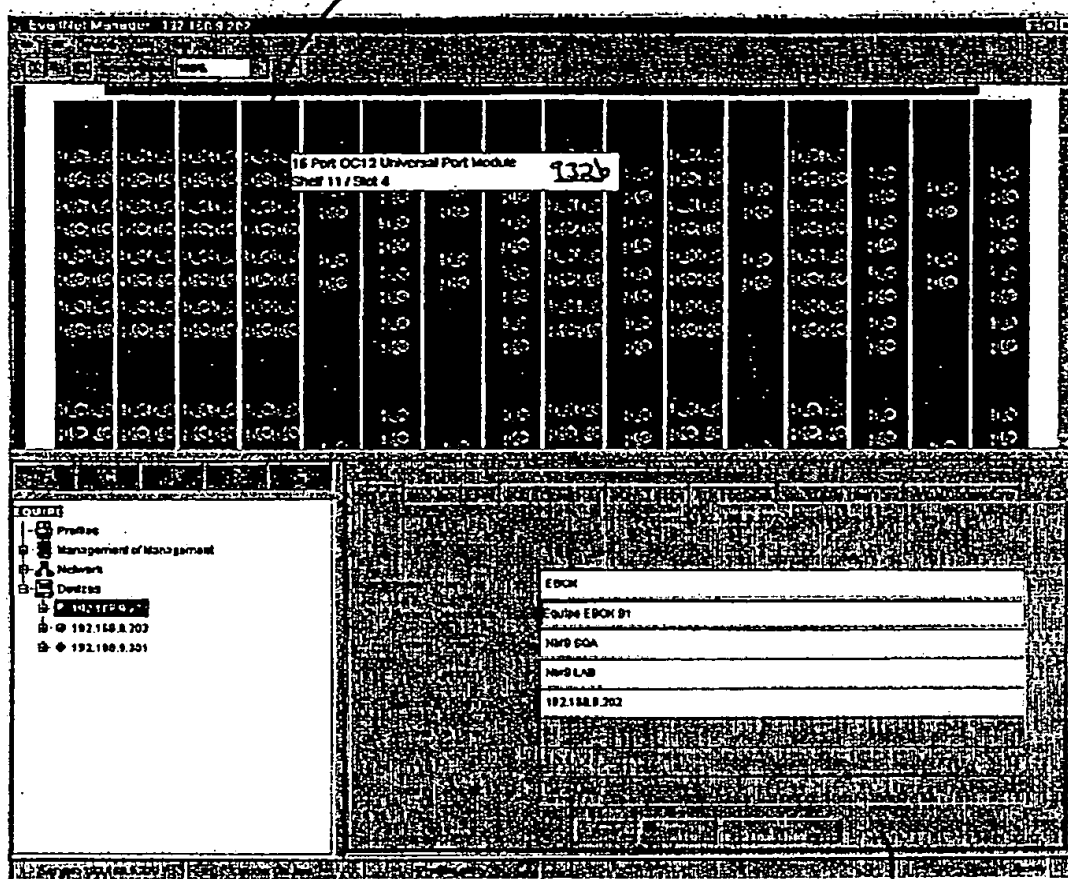
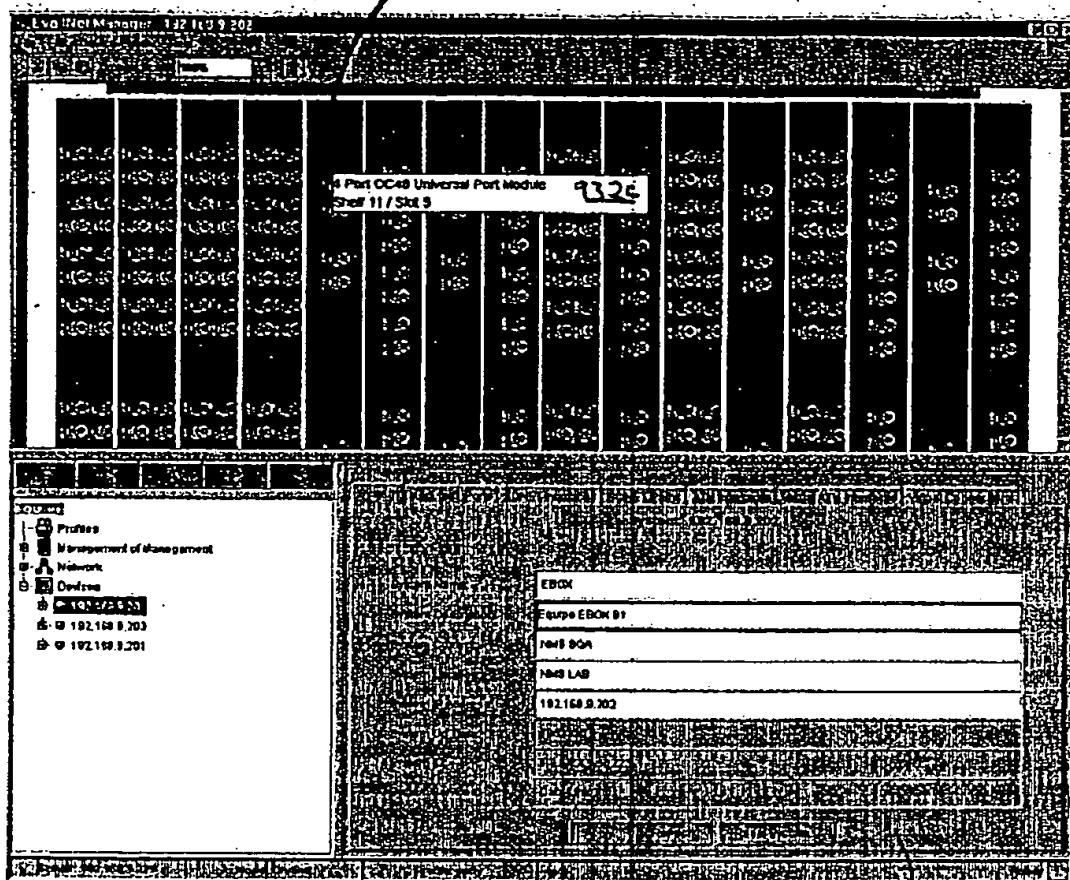


Fig. 4p



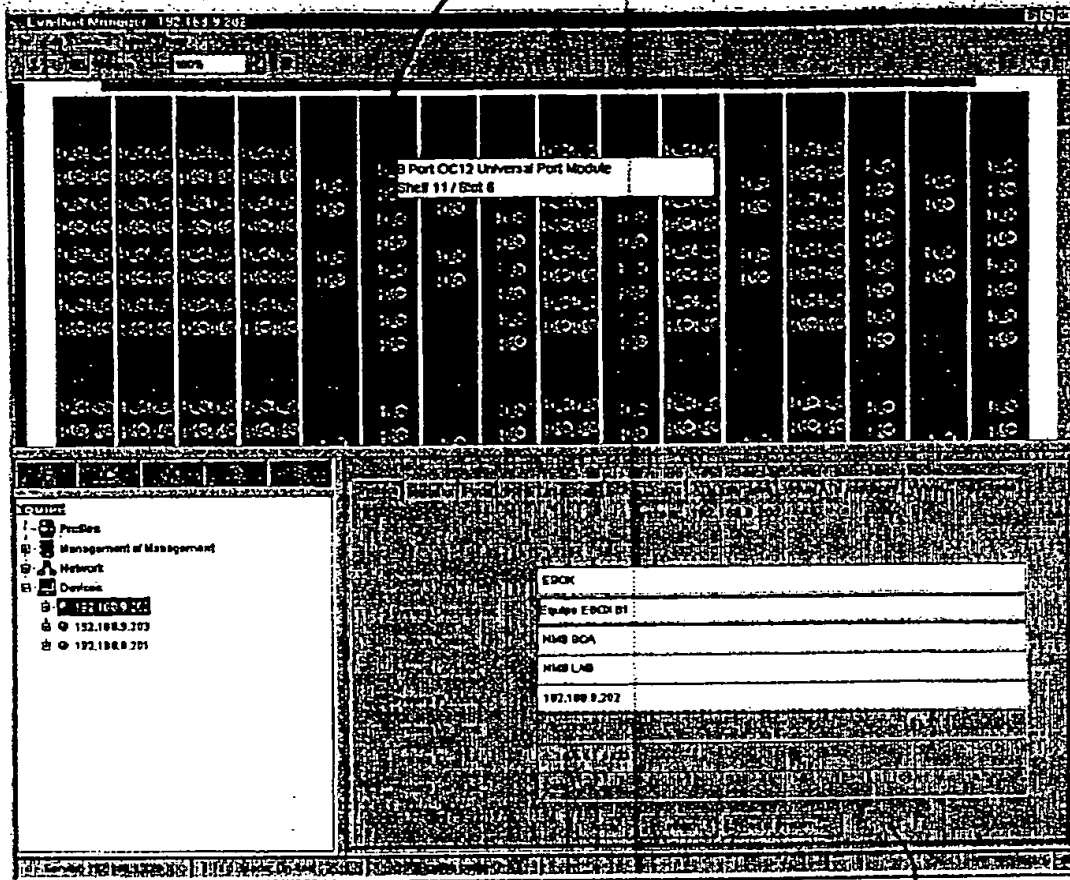


Fig. 4r

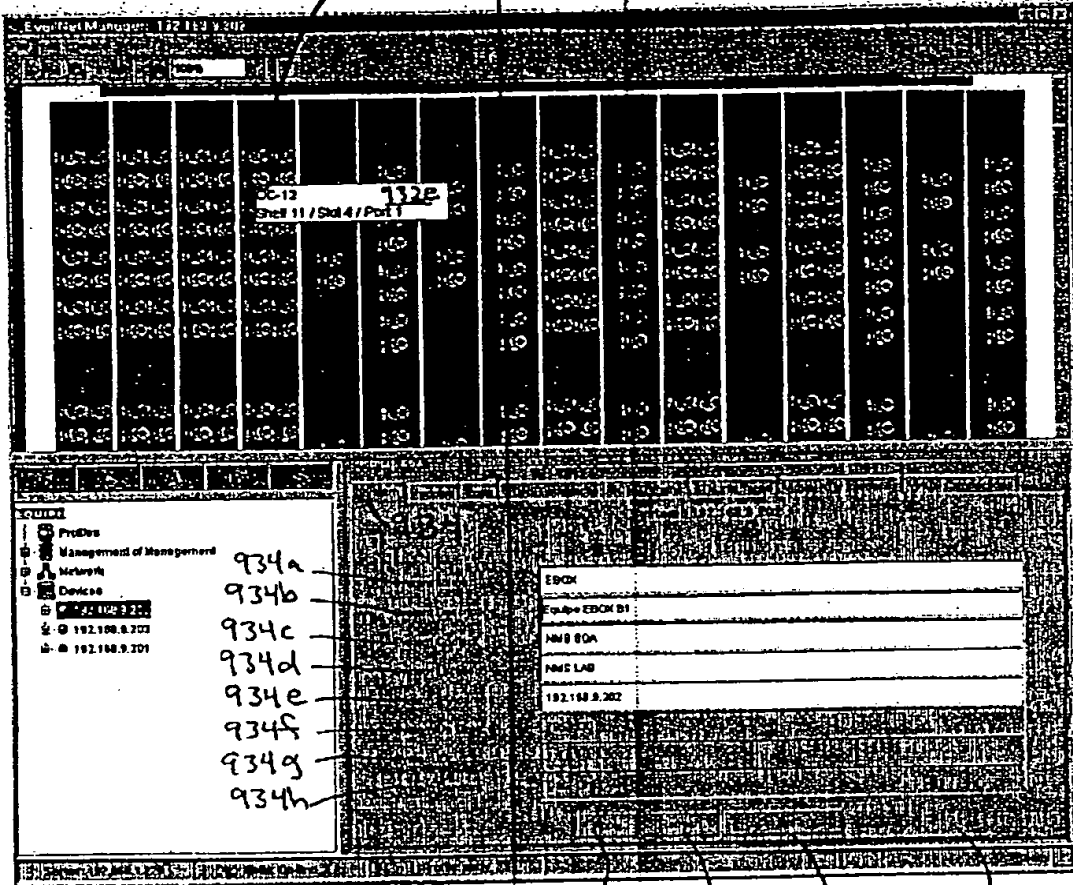
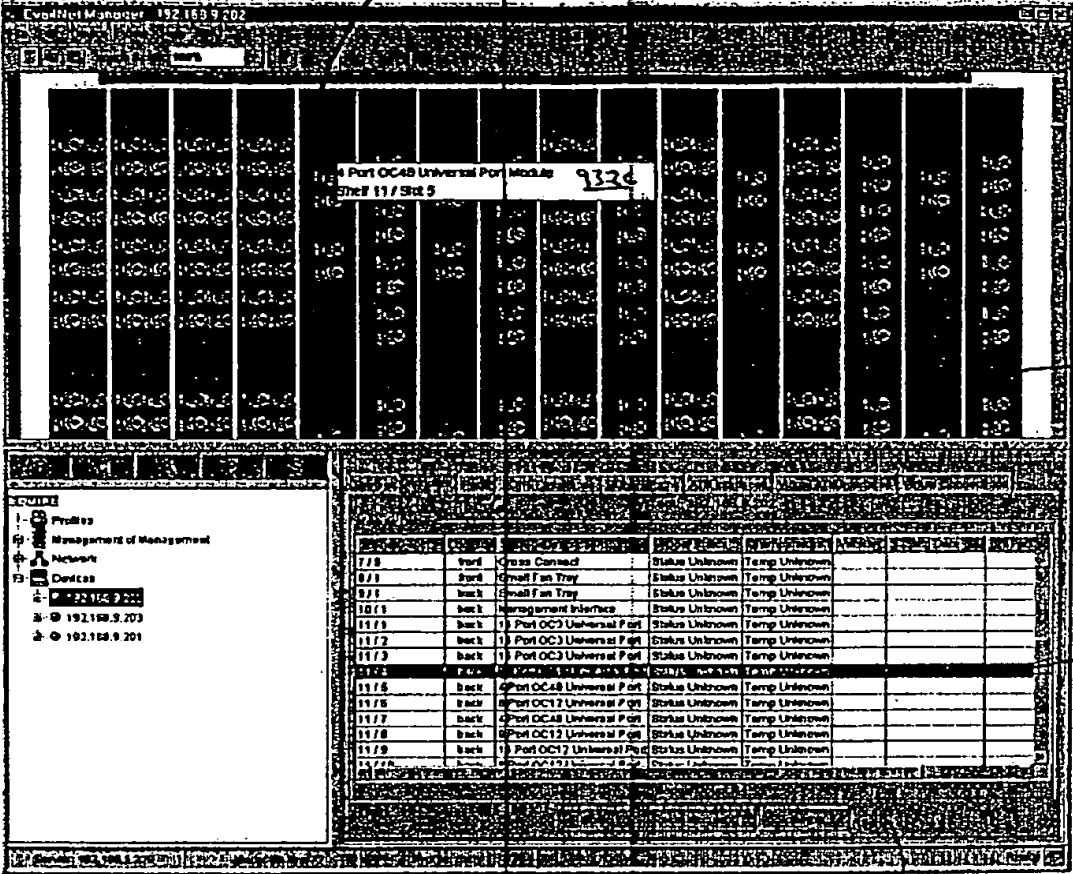


Fig. 4s



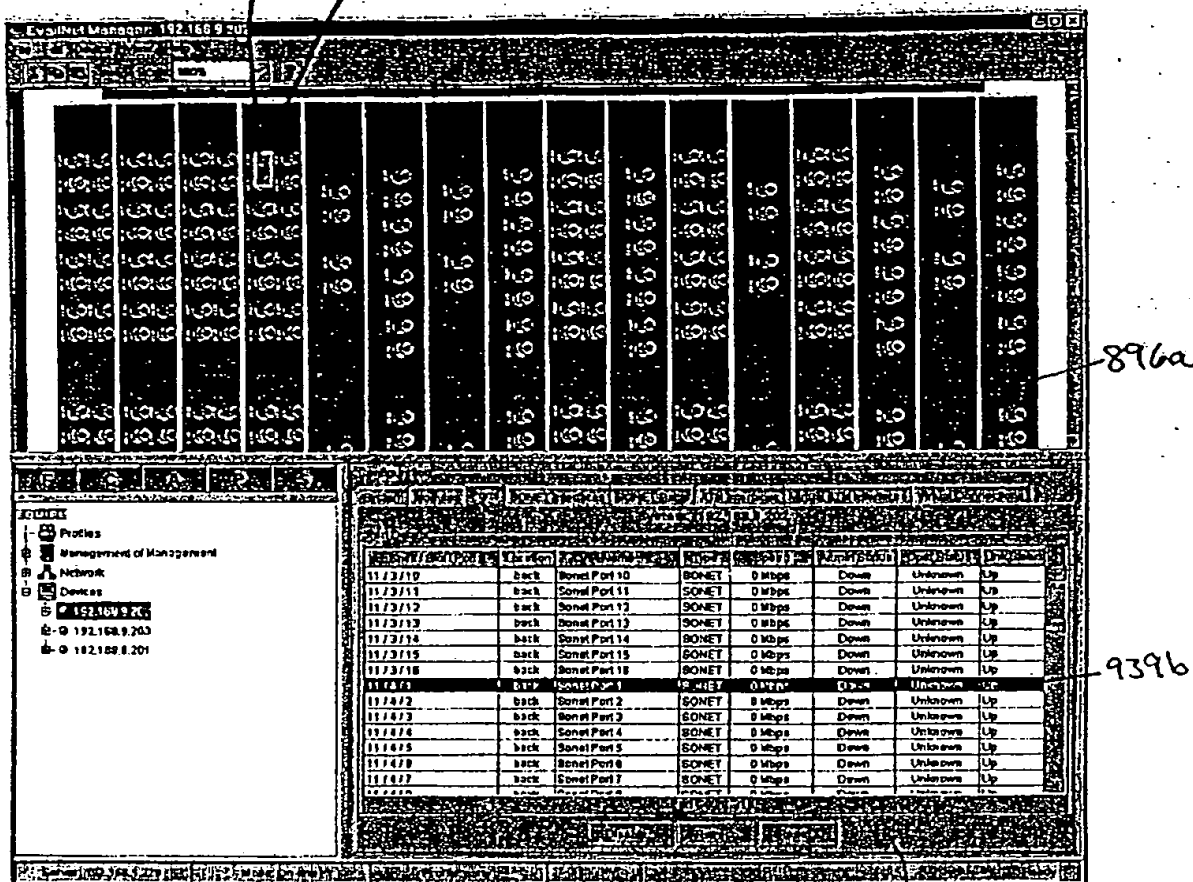


Fig. 4u

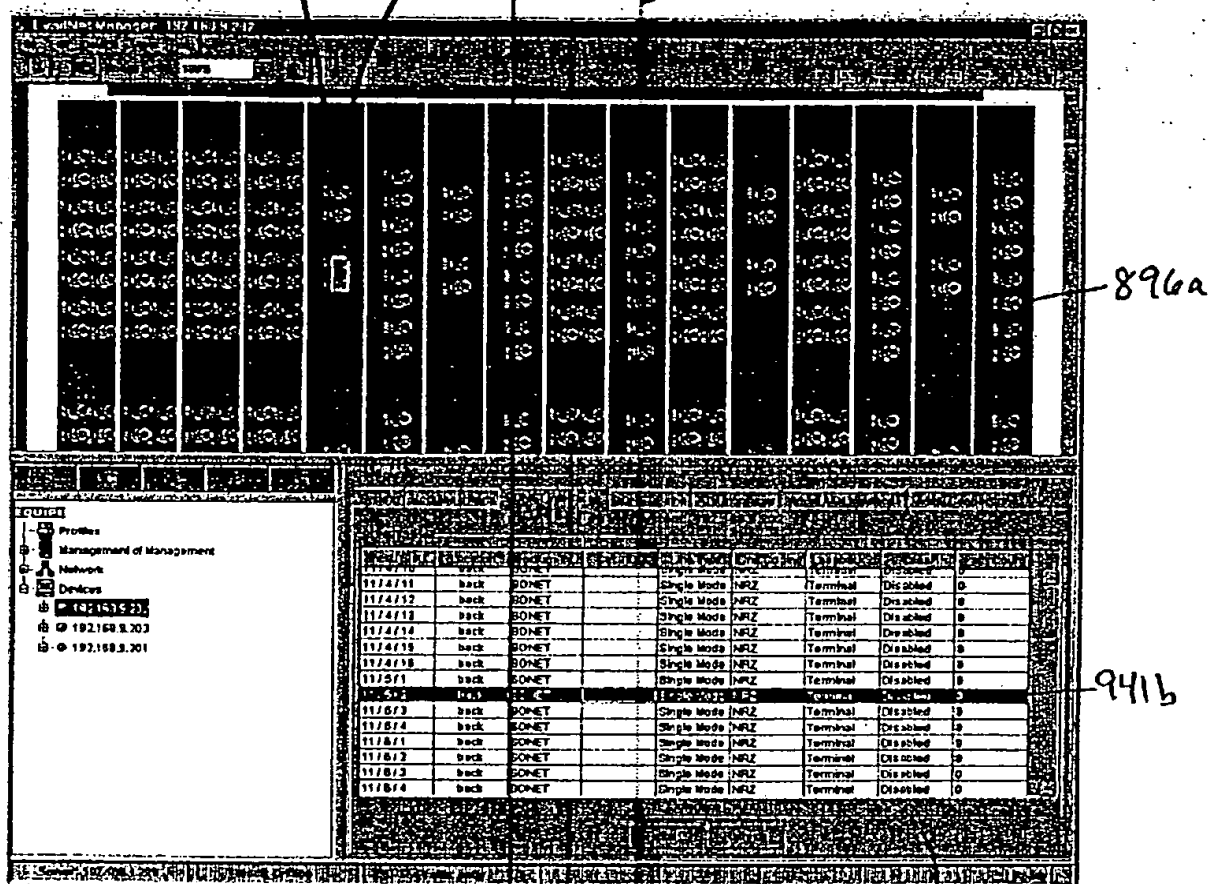


Fig. 4v

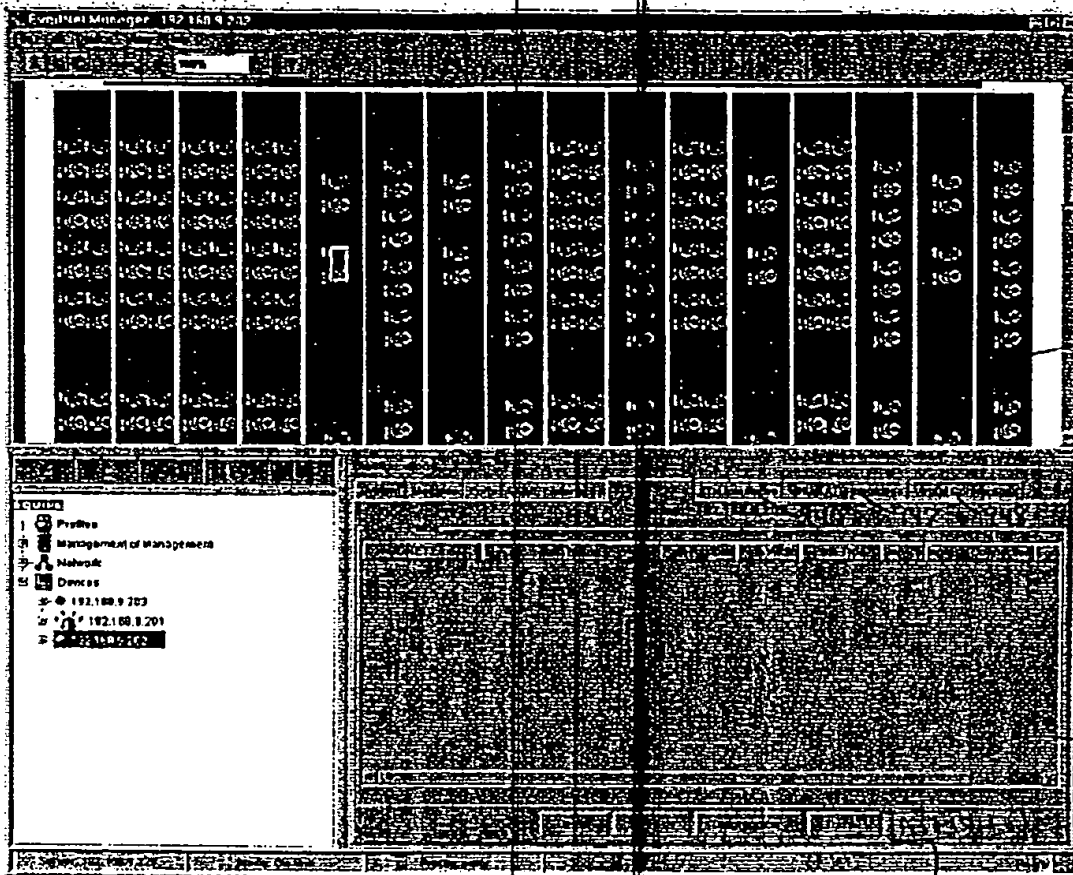


Fig. 4w

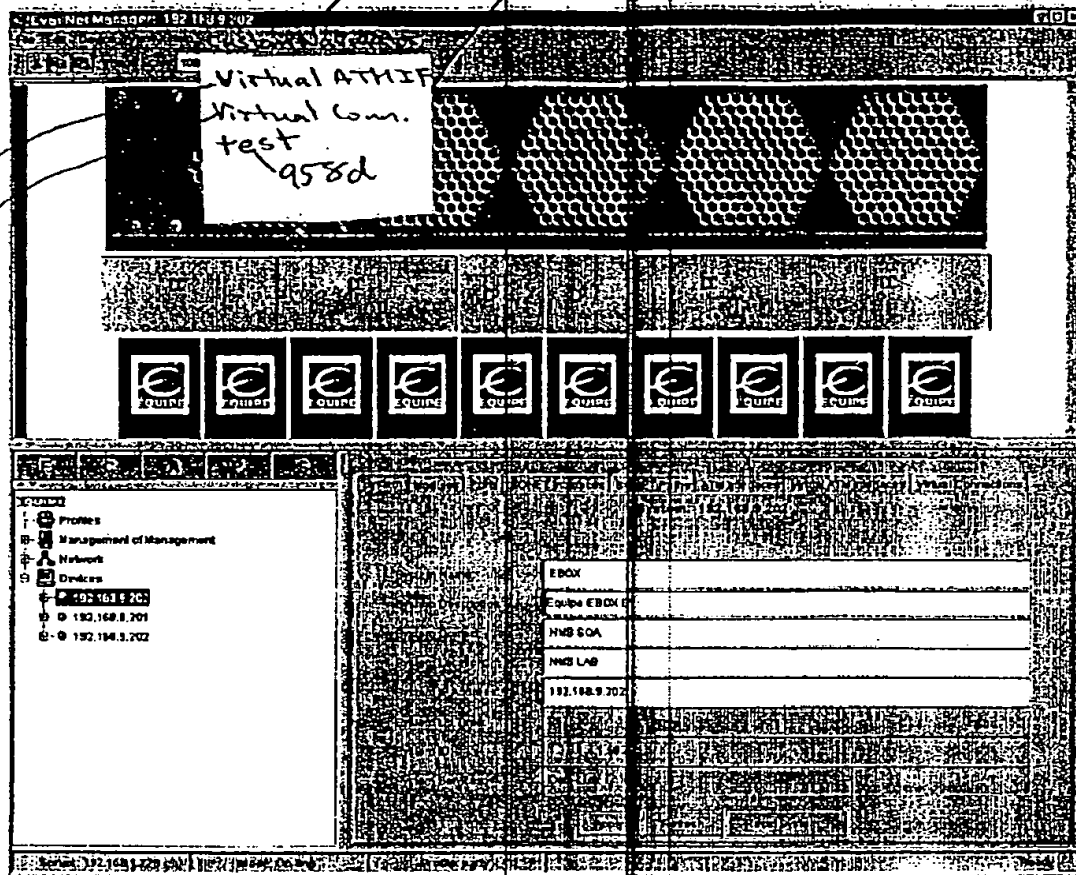


Fig. 4x

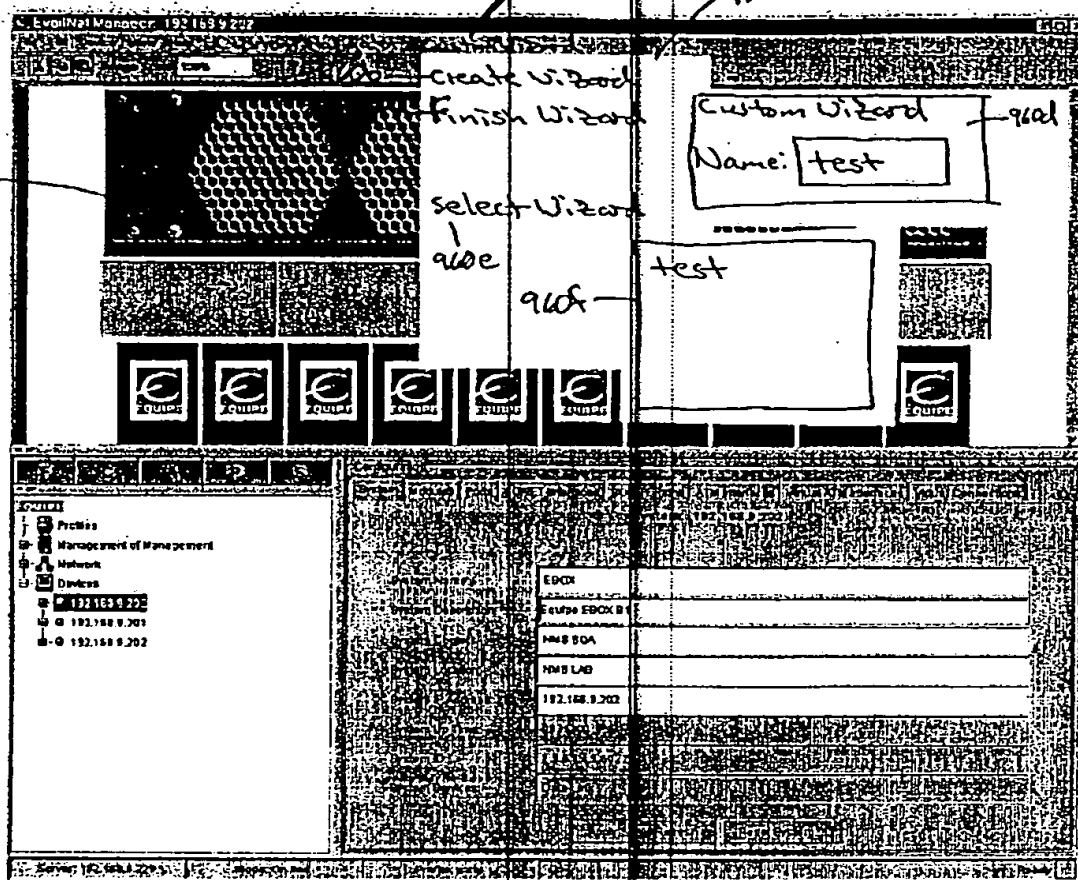


Fig. 4y

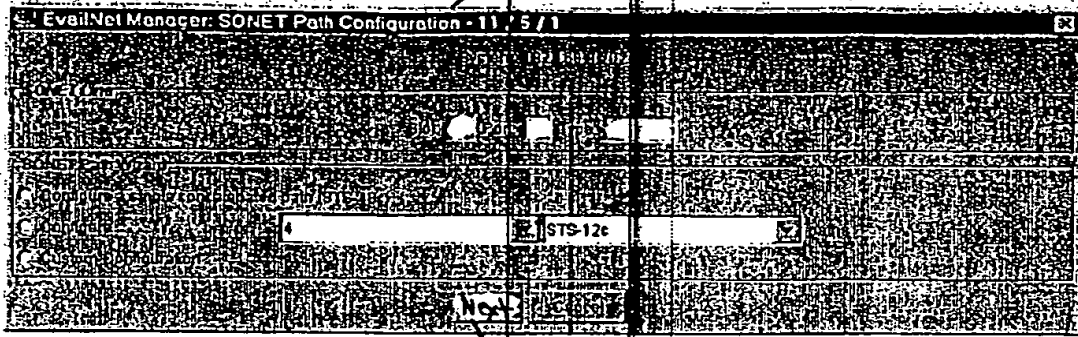


Fig. 42

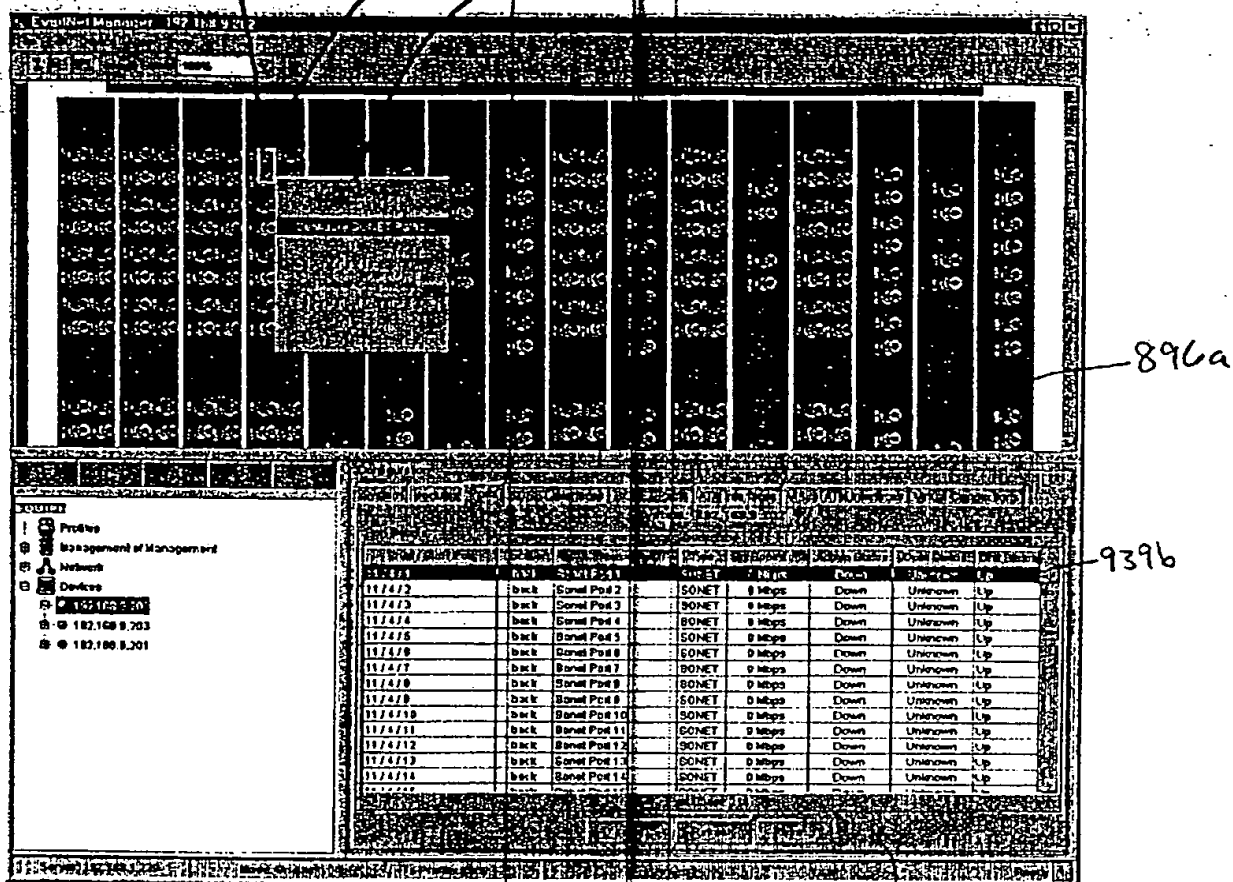


Fig. 5a

897

Fig. 5b

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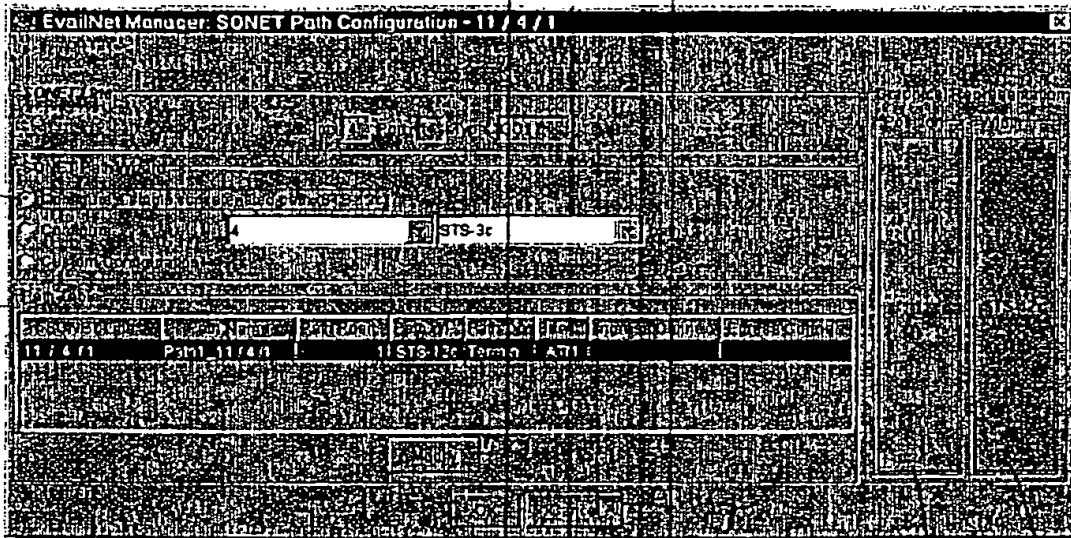
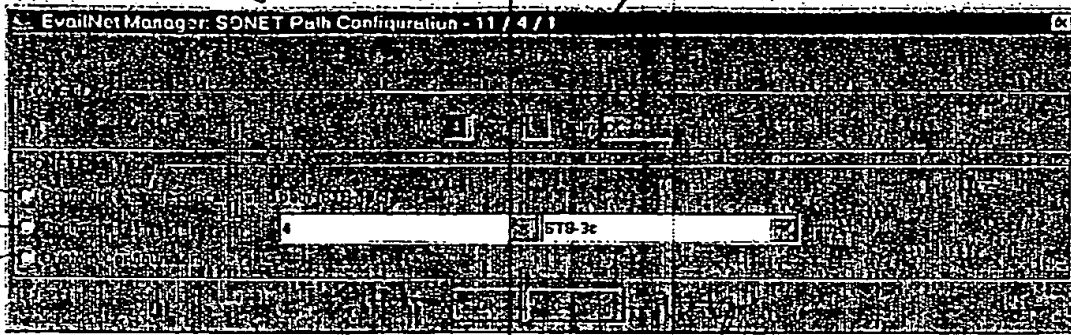


Fig. 5c

Fig. 5d

944

944a

944c

944g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

Path 1: 1 STS-3c Terminated ATM

Path 2: 4 STS-3c Terminated ATM

Path 3: 7 STS-3c Terminated ATM

Path 4: 10 STS-3c Terminated ATM

944f 944e

944a

944c

944g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

Path 1: 1 STS-12c Terminated ATM

944 944e 944f

Fig. 5e

Fig. 5f

944

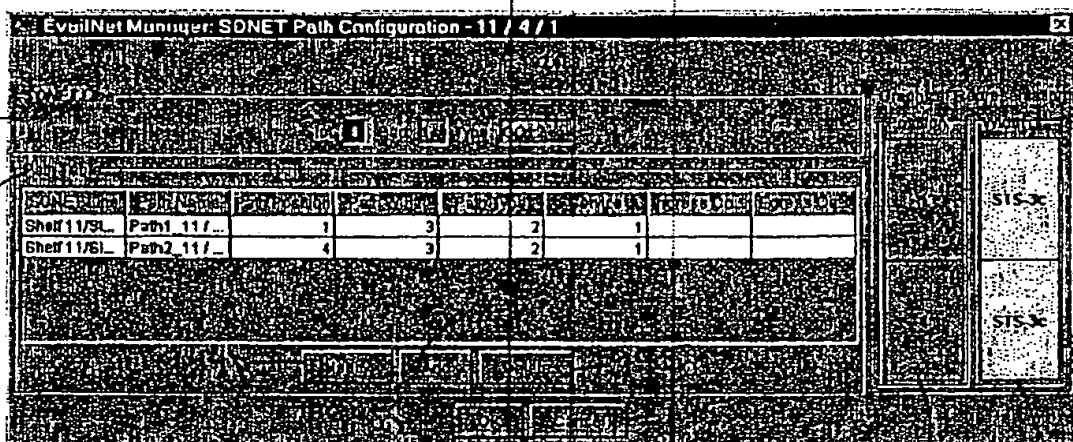
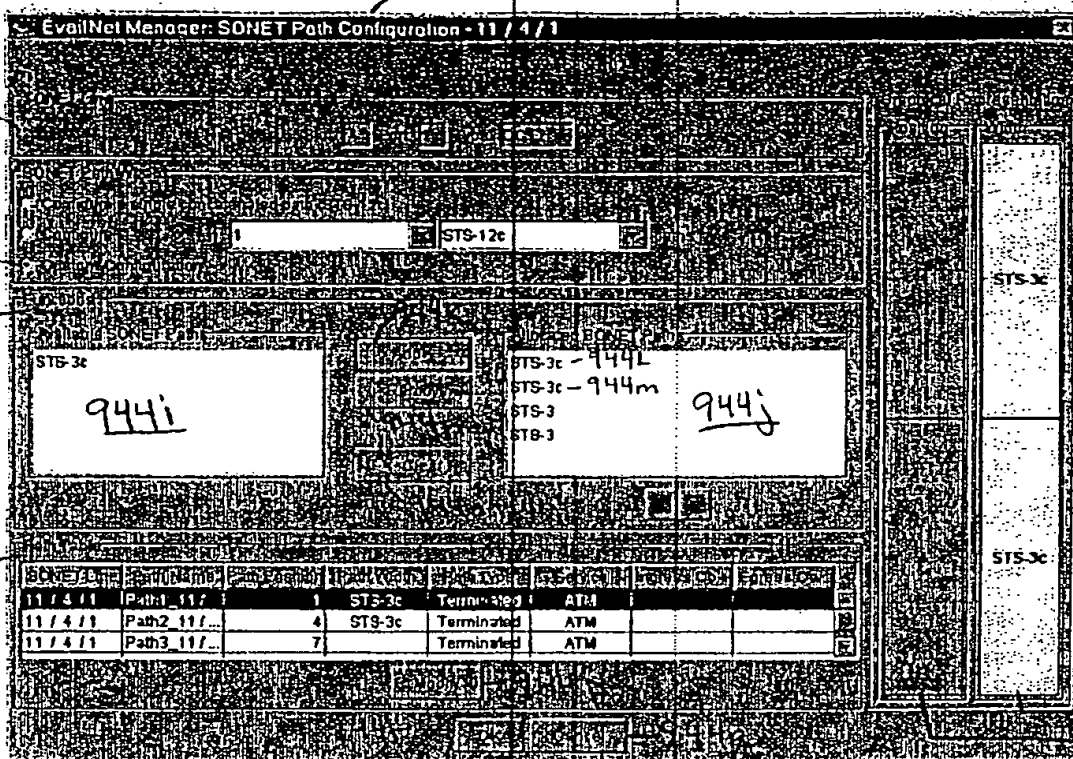
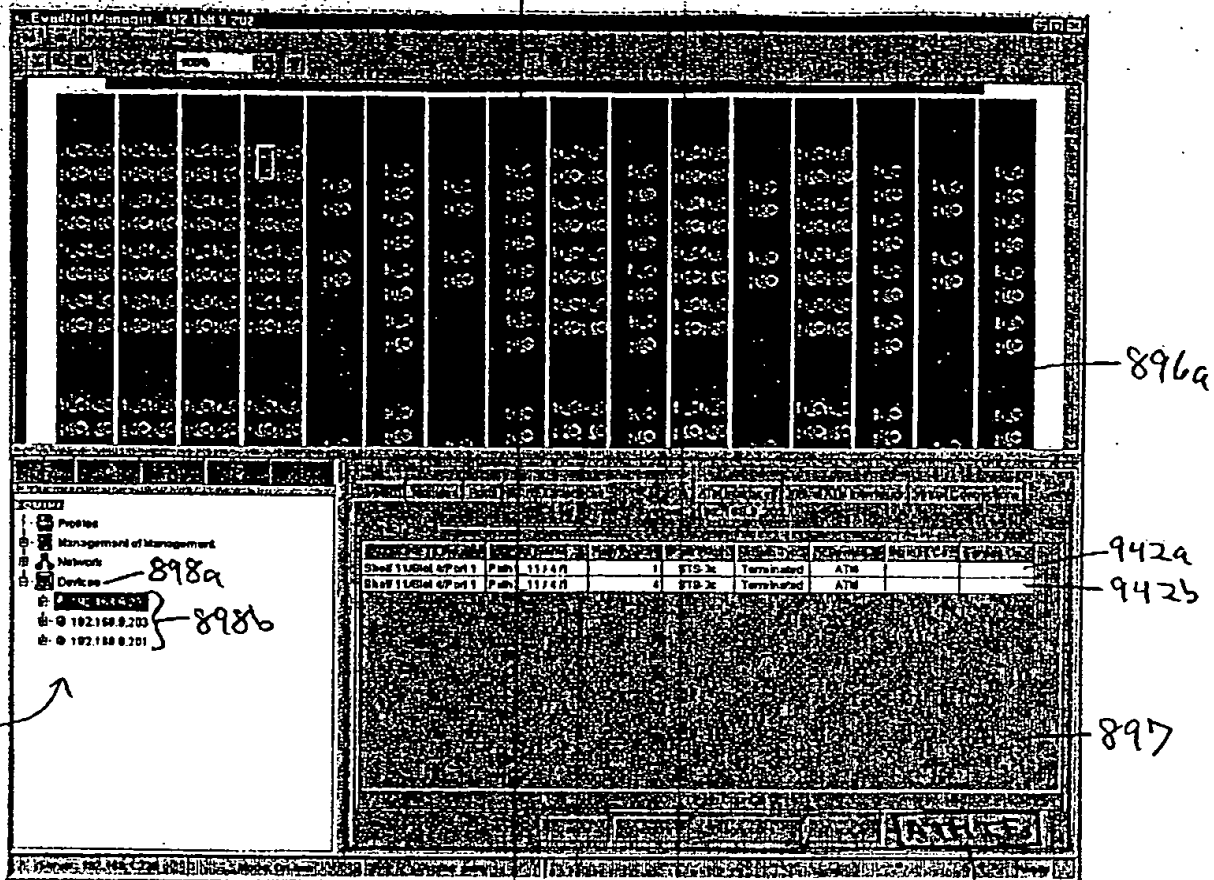


Fig. 5g

895



-942a

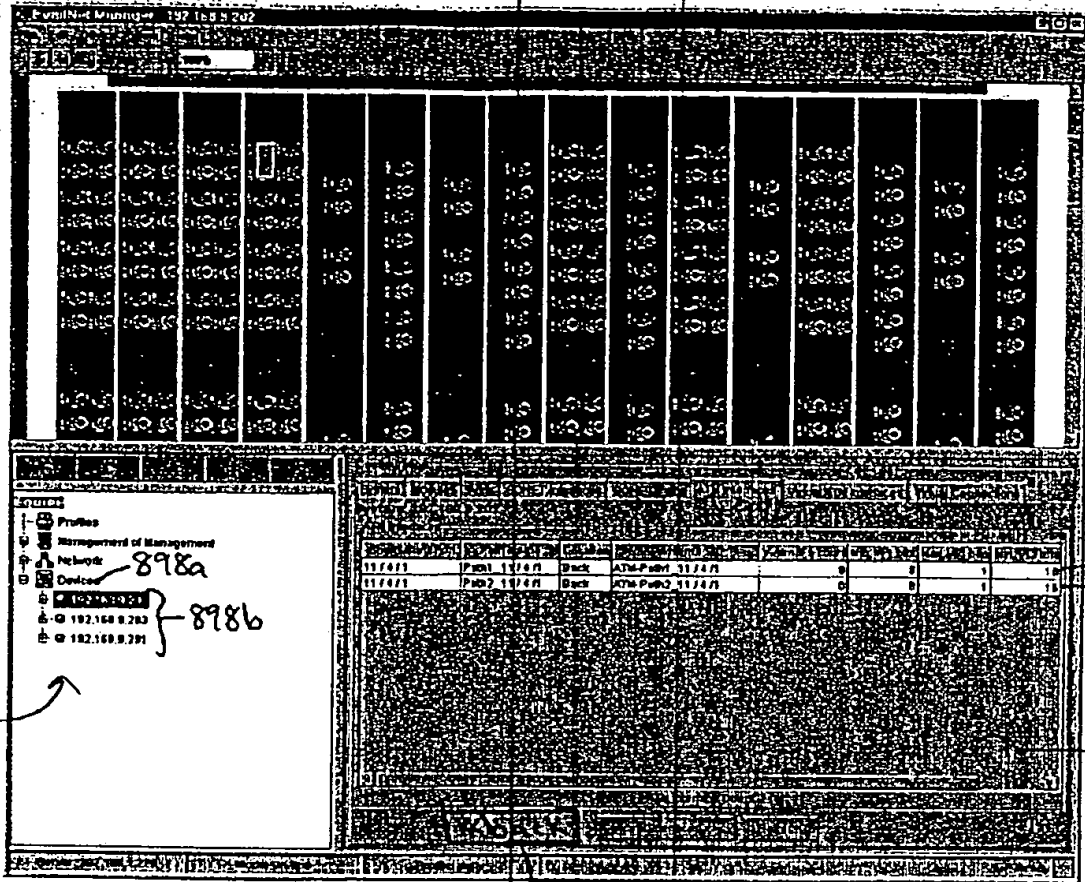
9425

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942c

Fig. 5h

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946b

Fig. 5i

Fig. 5j

556d

941a

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EvulNet Manager: 192.168.9.202

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898a

898b

898

Device	IP	MAC	Model	Mode	Terminal	Disabled	Port
117878	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117875	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117878	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117871	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117873	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117874	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117877	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117872	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117876	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117875	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117878	back	SONET	Single Mode	NRZ	Terminal	Disabled	0
117877	back	SONET	Single Mode	NRZ	Terminal	Disabled	0

949a

Fig. 5K

EvulNet Manager: SONET Path Configuration - 11 / 5 / 2

944a

944b

944c

944d

944

STS-12c

Fig. 5L

944

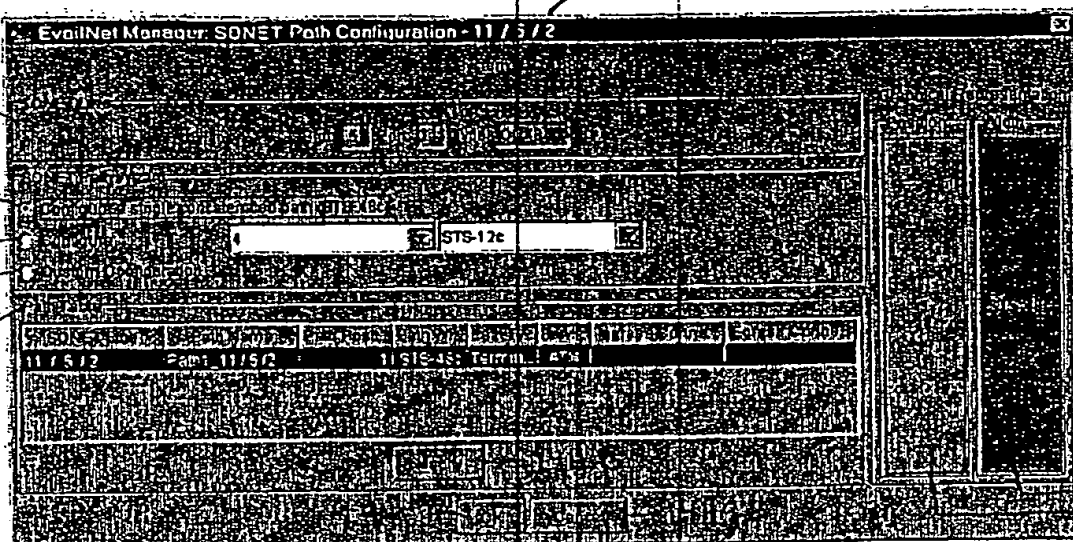
944a

944b

944c

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944g



944f

944e

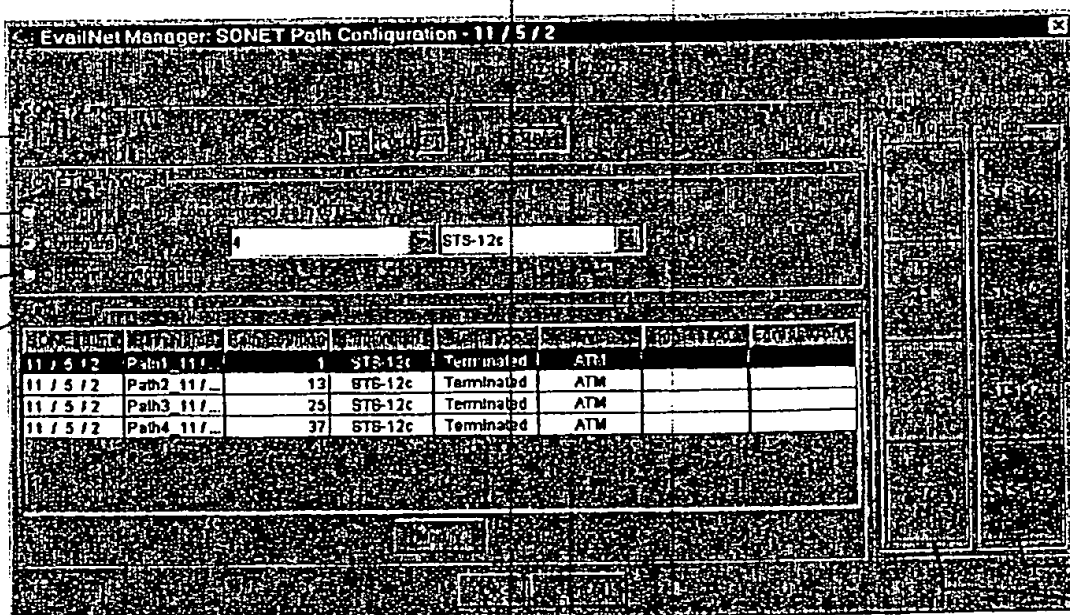
944a

944b

944c

944d

944g



944f

944e

944

Fig. 5m

Fig. 5n

944

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

Path	Path Name	Path ID	Path Type	Path Status	Path Description
1	Path1 11/5/2	1	STB-48c	Termi	ATM
4	Path2 11/5/2	4	STB-48c	Termi	ATM
7	Path3 11/5/2	7	STB-48c	Termi	ATM
10	Path4 11/5/2	10	STB-48c	Termi	ATM
13	Path5 11/5/2	13	STB-48c	Termi	ATM
16	Path6 11/5/2	16	STB-48c	Termi	ATM
19	Path7 11/5/2	19	STB-48c	Termi	ATM

11/5/2 Path: 11/5/2 1: STB-48c Terminate: ATM

944f

944e

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

Path	Path Name	Path ID	Path Type	Path Status	Path Description
1	Path1 11/5/2	1	STB-3c	Termi	ATM
4	Path2 11/5/2	4	STB-3c	Termi	ATM
7	Path3 11/5/2	7	STB-3c	Termi	ATM
10	Path4 11/5/2	10	STB-3c	Termi	ATM
13	Path5 11/5/2	13	STB-3c	Termi	ATM
16	Path6 11/5/2	16	STB-3c	Termi	ATM
19	Path7 11/5/2	19	STB-3c	Termi	ATM

11/5/2 Path: 11/5/2 1: STB-3c Terminate: ATM

944f

944e

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Fig. 5o

944a

944b

944c

944d

944h

944g

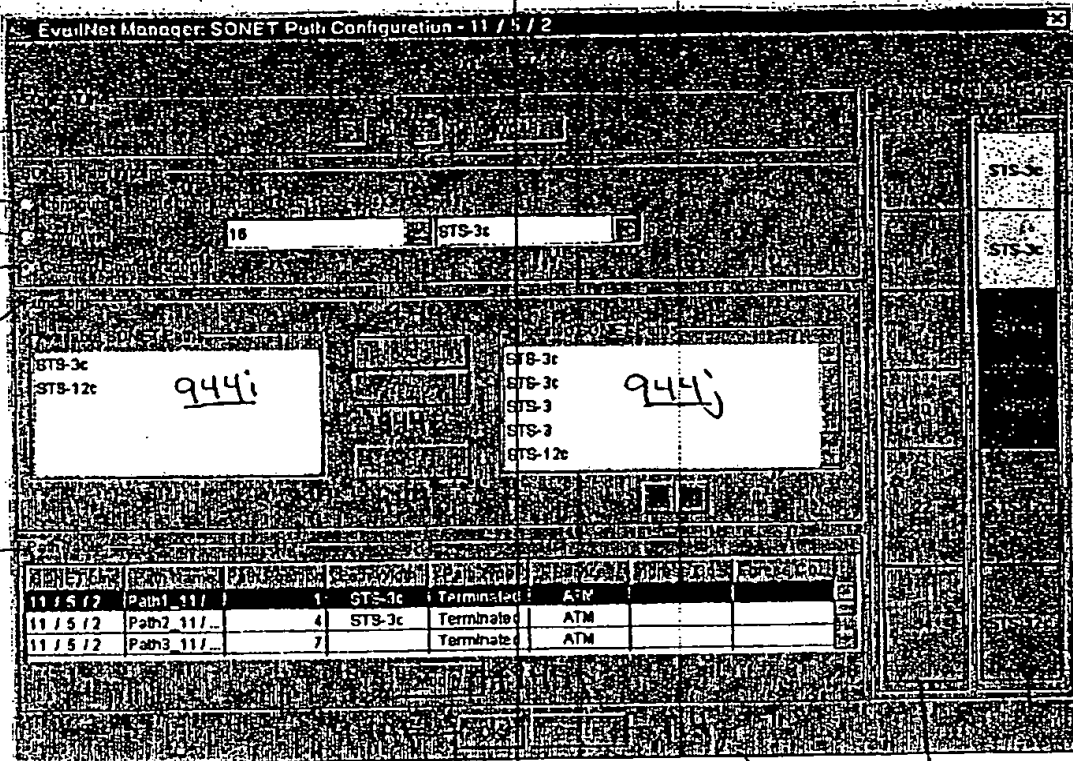


Fig. 5p

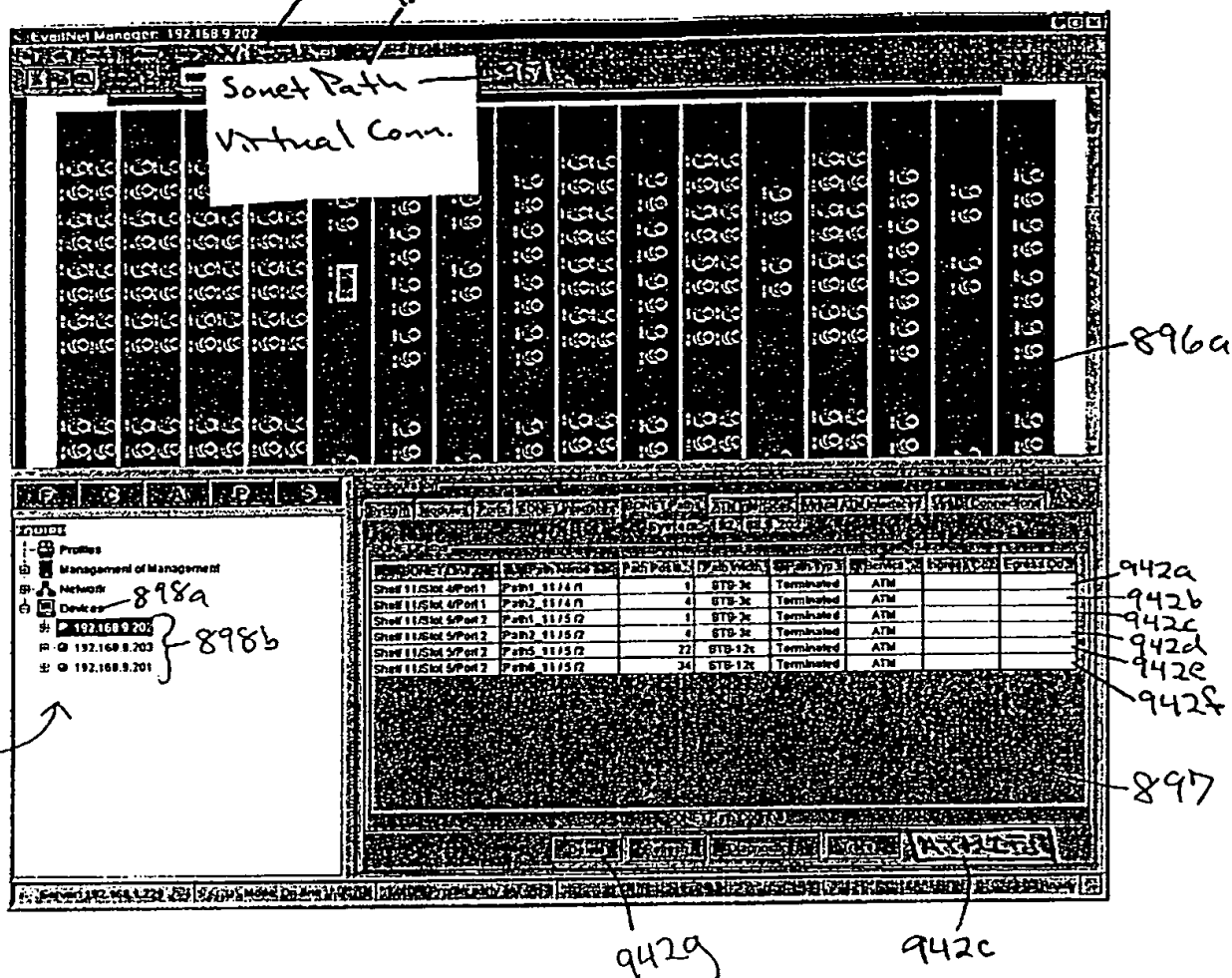
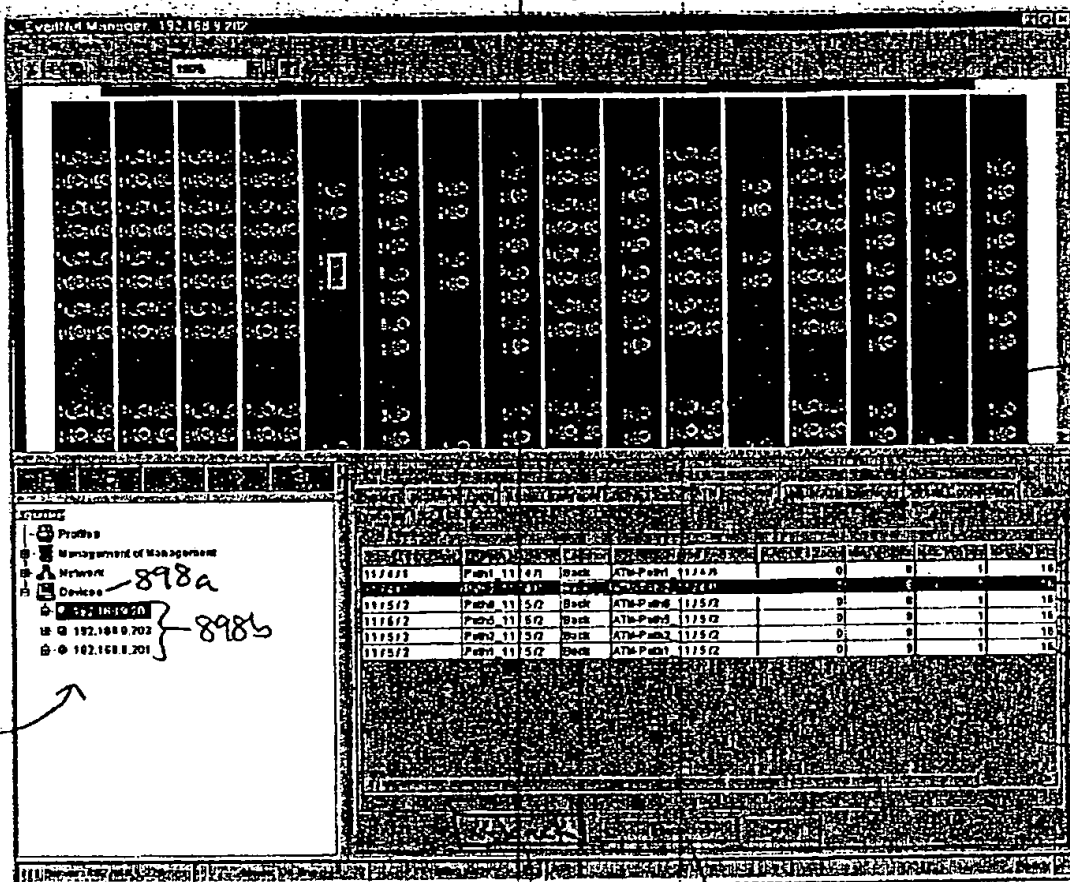


Fig. 5g

✓ 89 | 5



946a
946b
946c
946d
946e
946f

9465

9464

9462
944.4

941.2

110

-897

946h

946 g

Fig. 5r

8

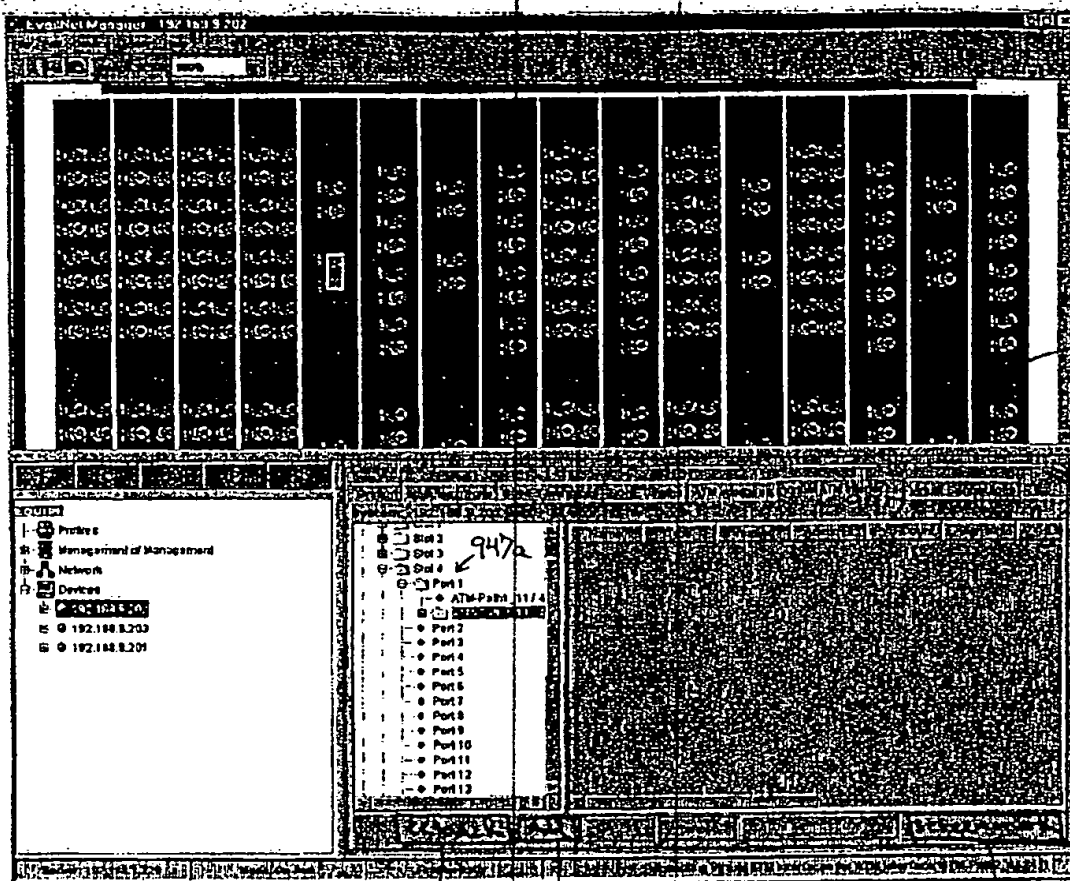


Fig. 5s

[illegible]

Fig. 5+

950

Add V-ATM Interface - 192.168.9.202

Virtual ATM Interface Properties

Name: test1

Port: 1000

UNI Network: 3.1

Up

OK Cancel

950d

950a

950b

950c

Evault Manager - 192.168.9.202

Profiles

Management of Management

Network

Device

192.168.9.202

947a

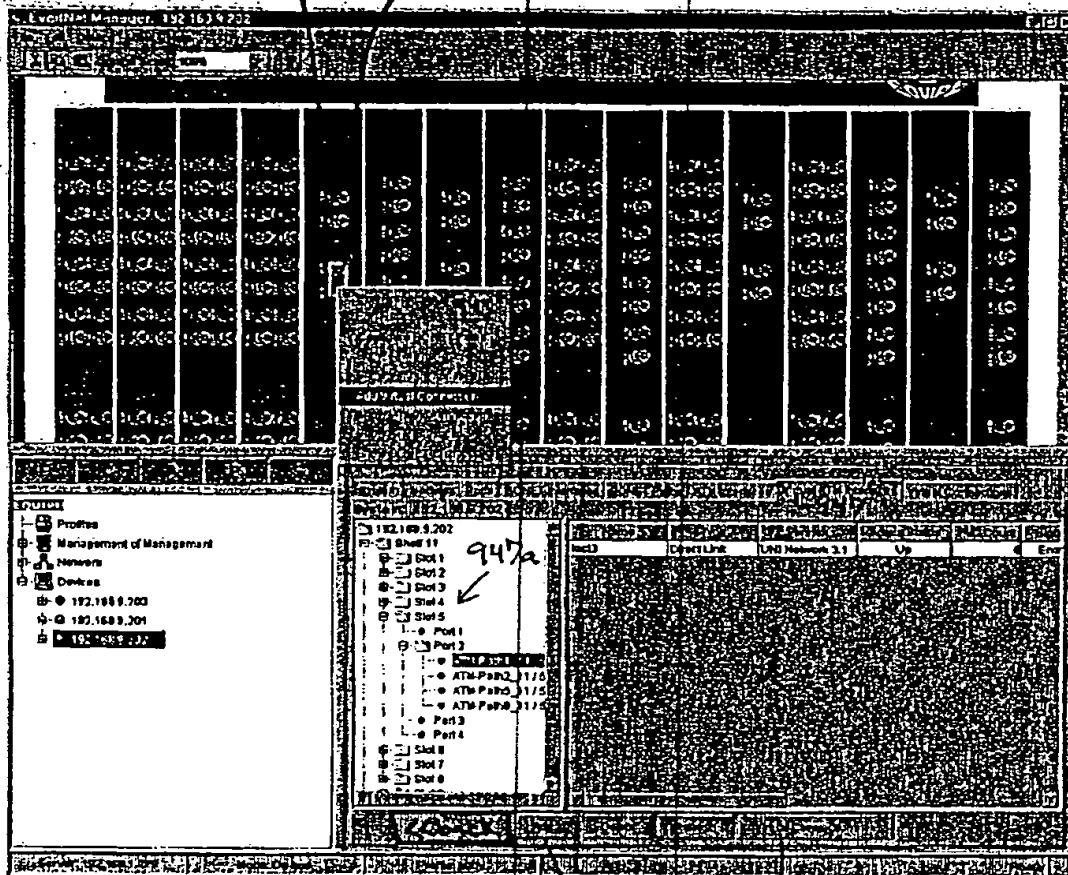
947b

947c

Fig. 5u

556d 941a

← 895



947b

947d

947c

Fig. 5v

✓ 952

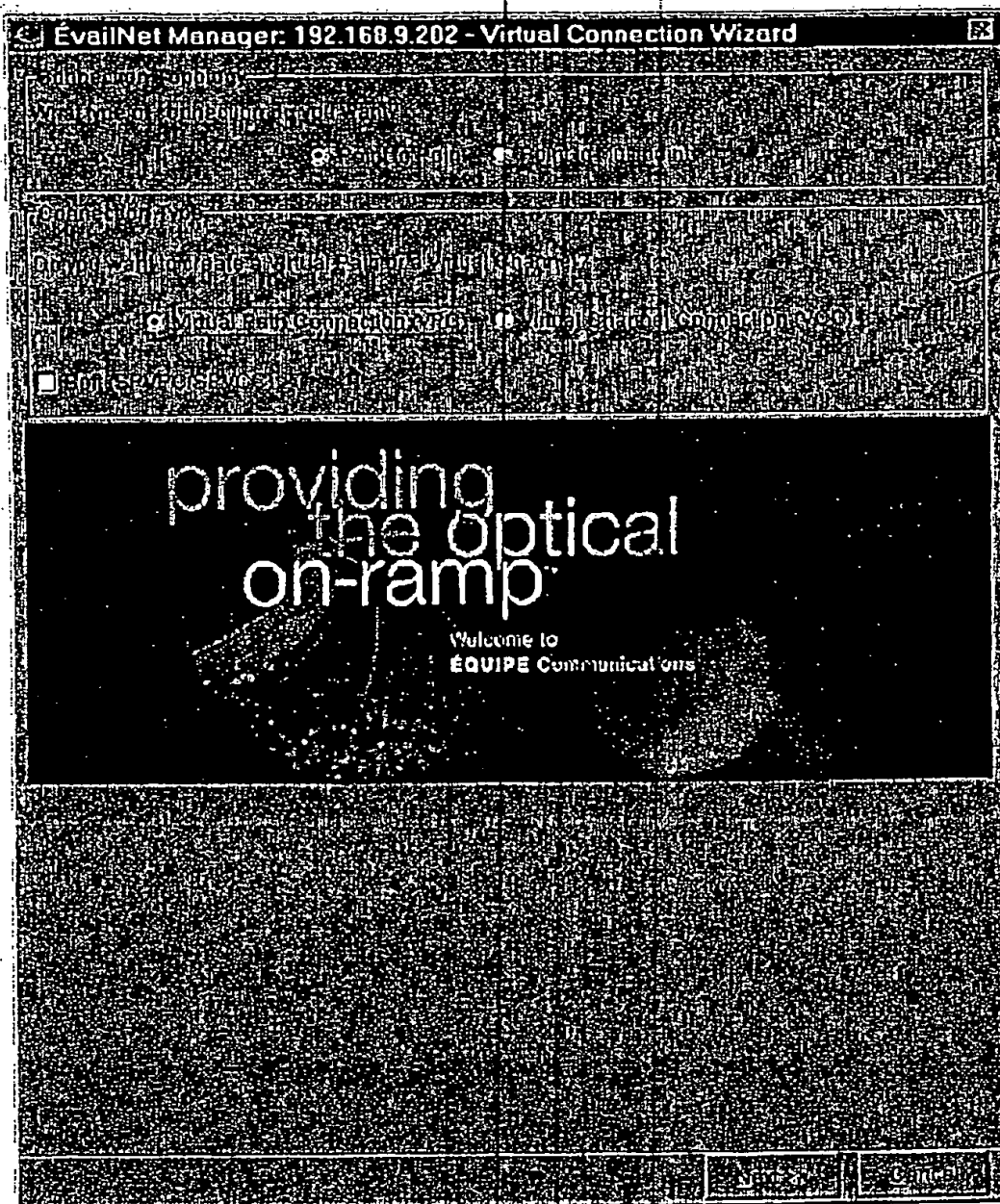


Fig. 5w

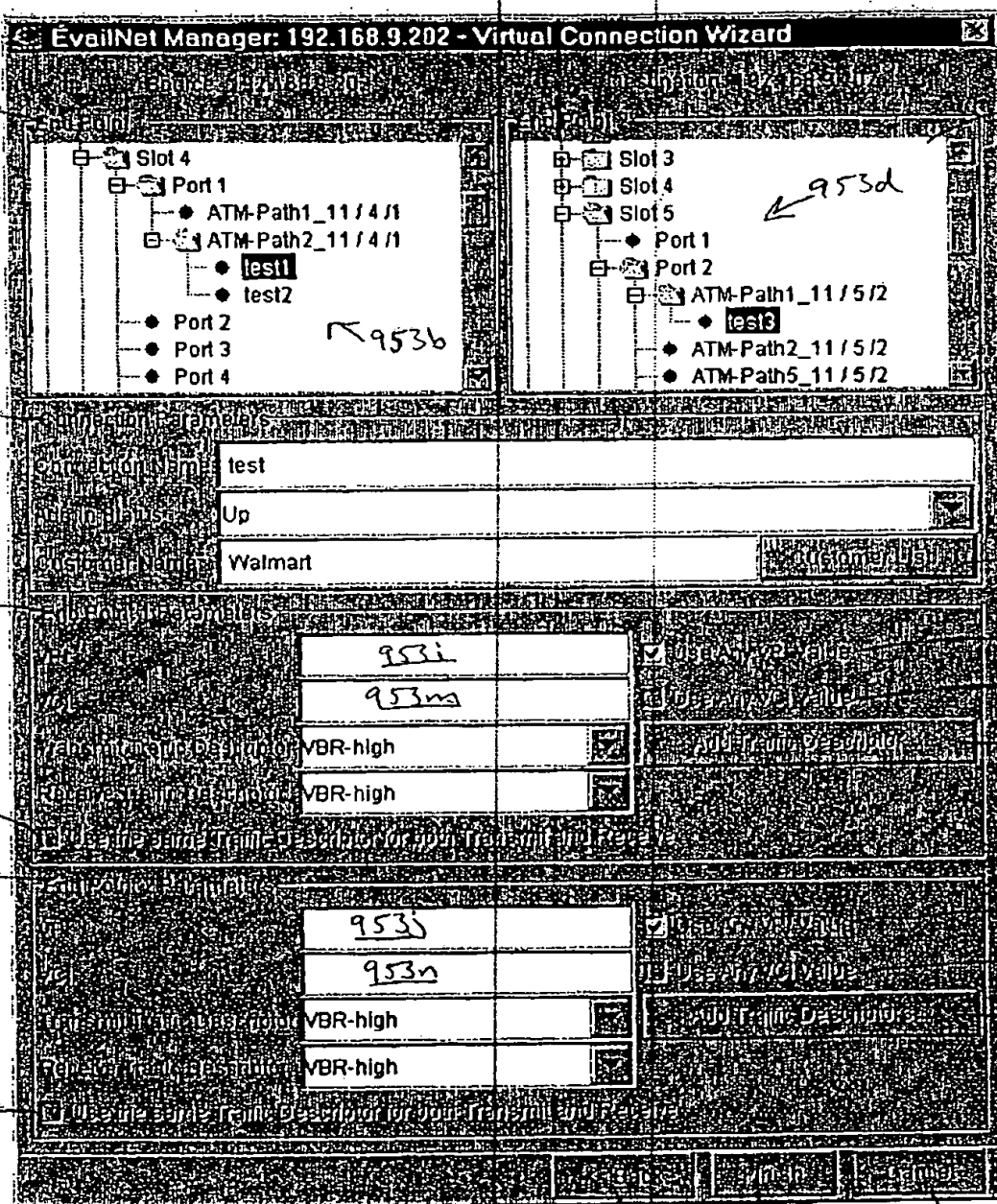


Fig. 5x

956

New Traffic Descriptor

Name:

QoS Class: ▼

Type: ▼

Fig. 5Y

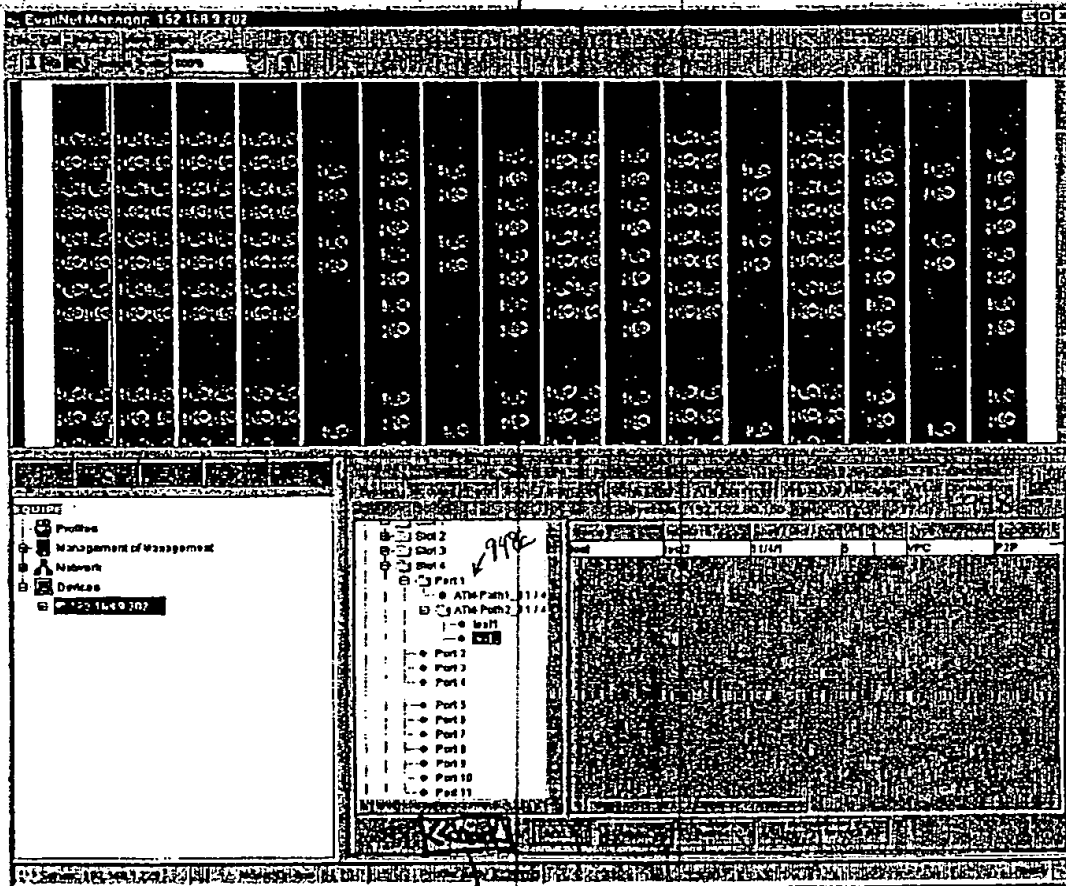


Fig. 57

895

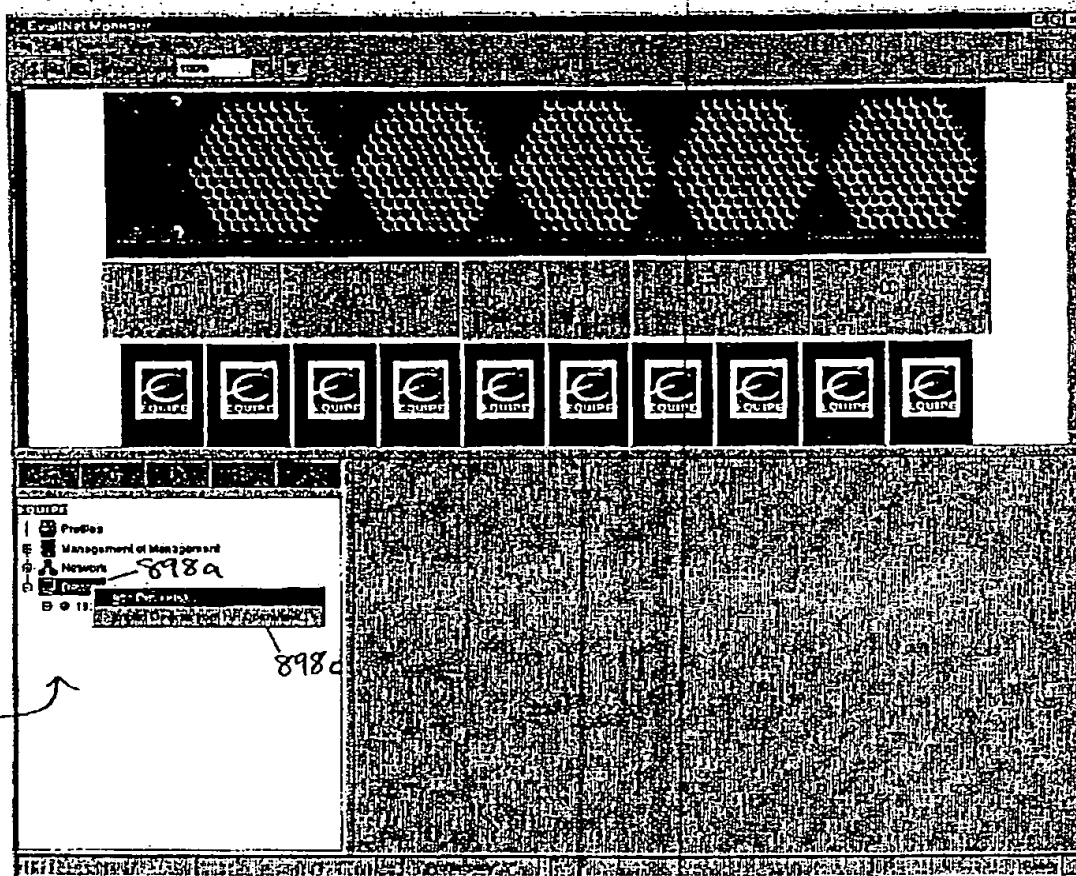


Fig. 6a

Fig. 6b

The screenshot shows a dialog box titled "AddDeleteDeviceDlg". It contains a text field with the IP address "192.168.9.201". Below this is a checkbox labeled "Marked device on line model". At the bottom, there is a list box labeled "Original Device" which is currently empty. The dialog has "OK", "Cancel", and "Delete" buttons at the bottom.

898e

898d

898g

Fig. 6c

The screenshot shows the same dialog box as Fig. 6b, but with the "Original Device" list box now containing the IP address "192.168.9.201". A handwritten label "898m" is next to the list box. The "OK", "Cancel", and "Delete" buttons are still present at the bottom.

898d

898g

898m

895

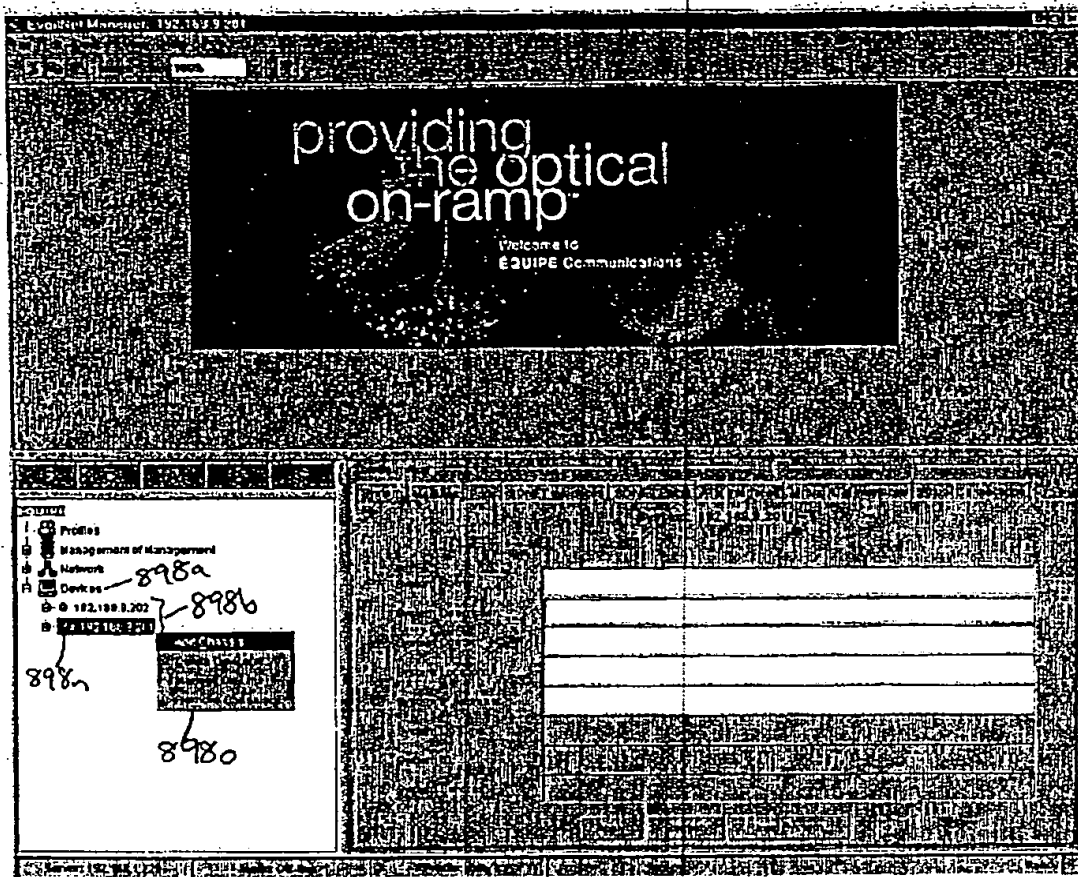


Fig. 6d

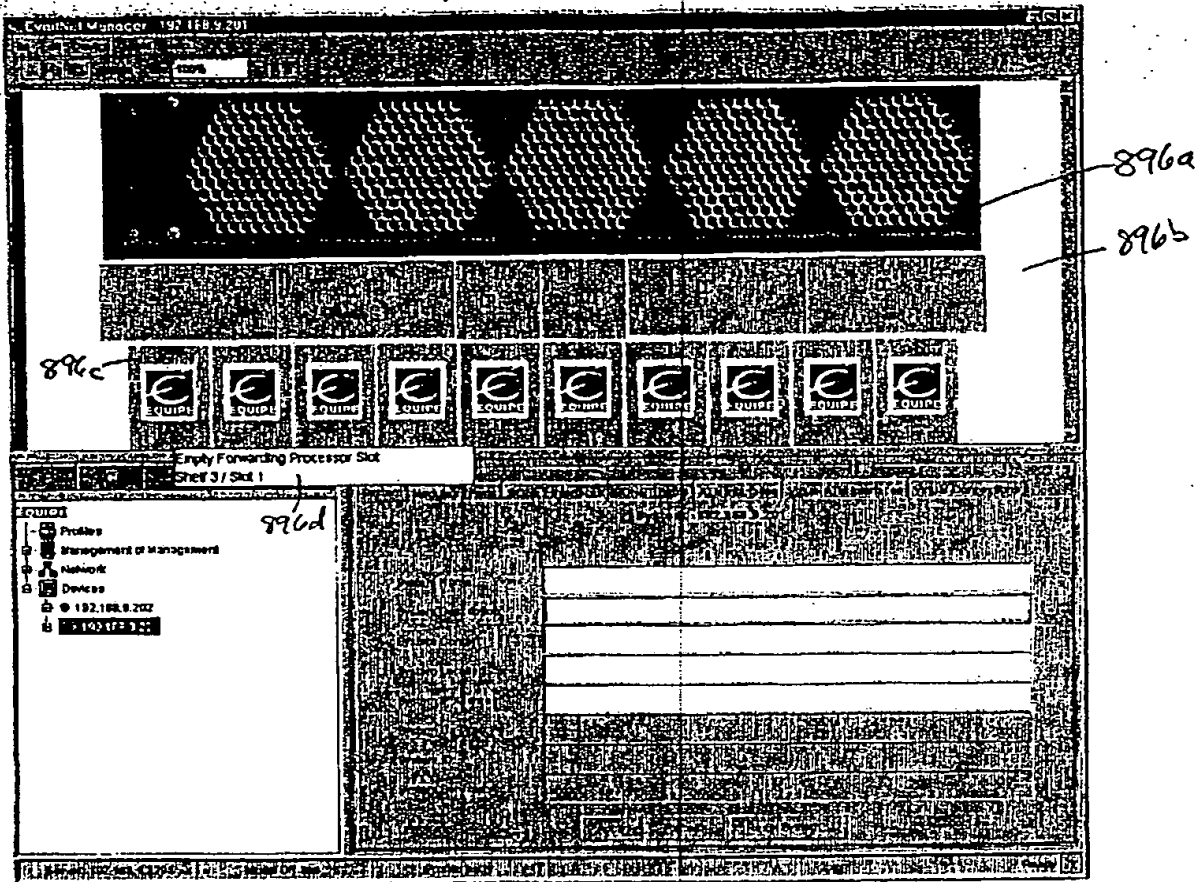


Fig. 6e

$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 0 & 1 \end{pmatrix}$

895

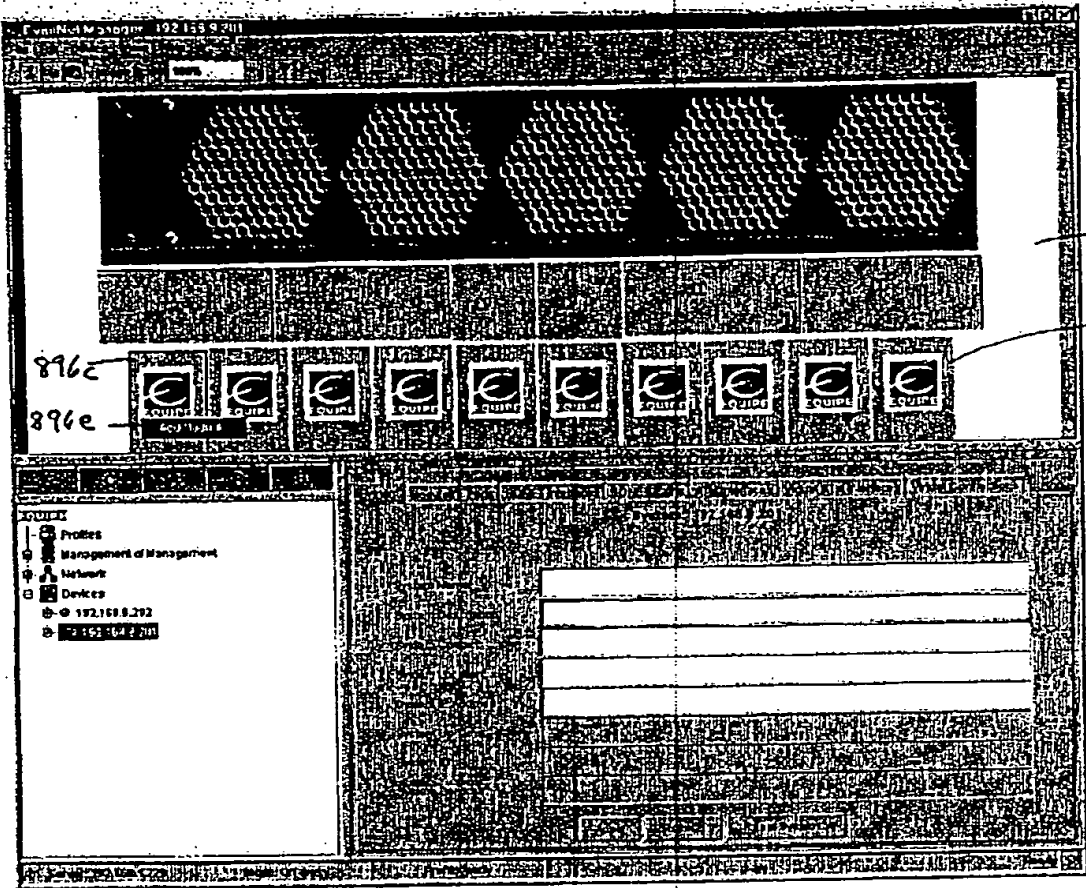


Fig. 6f

895

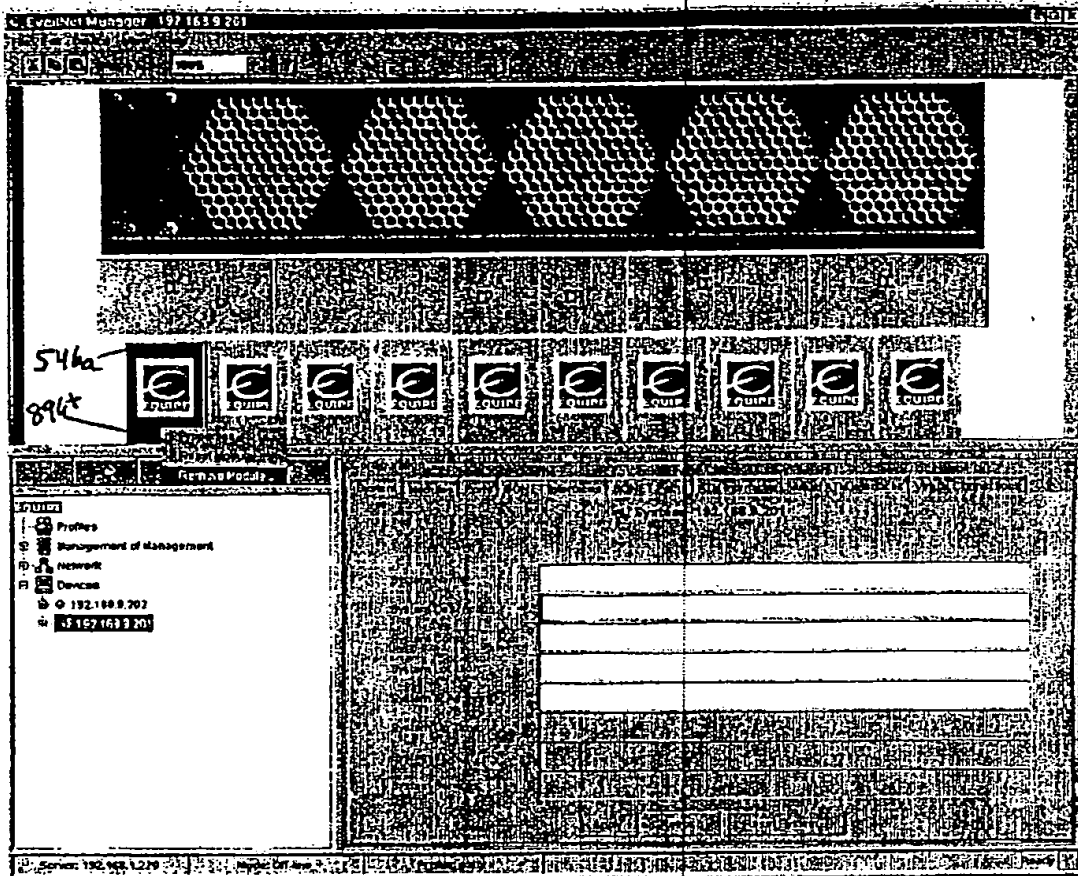


Fig. 69

895

896

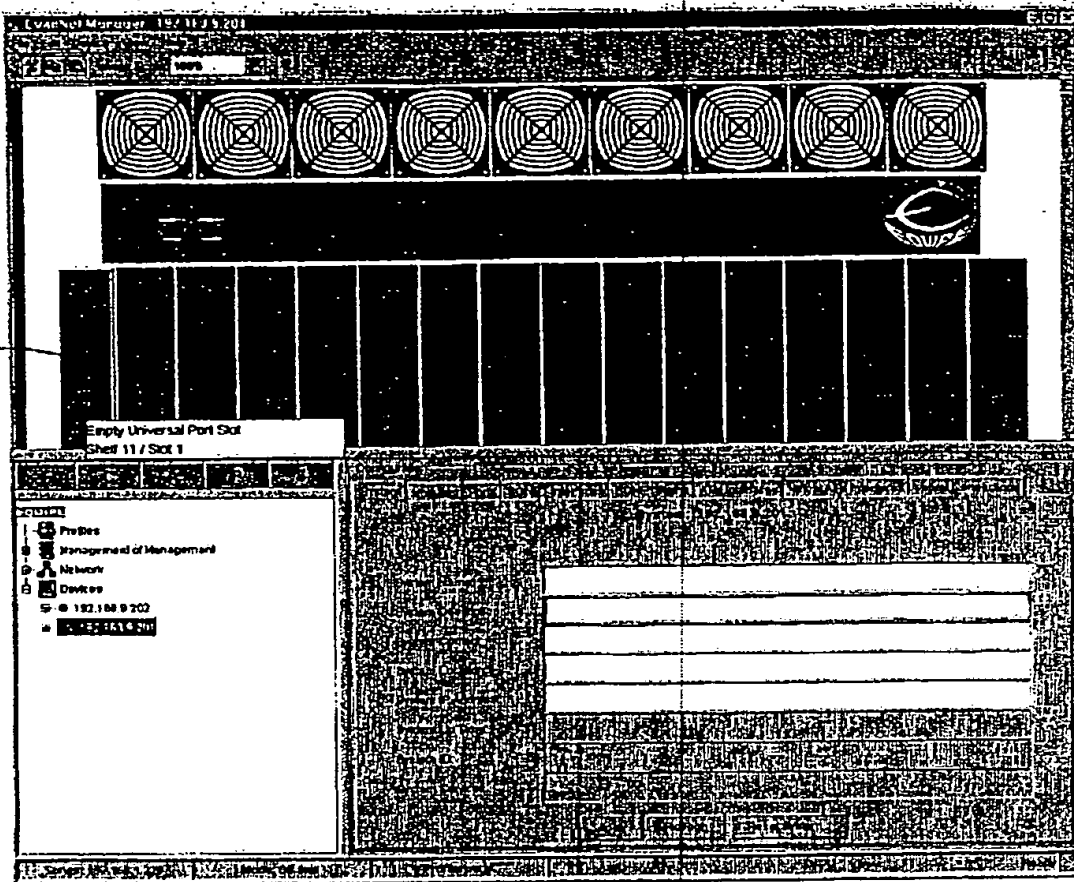


Fig.6h

895

896f

896g

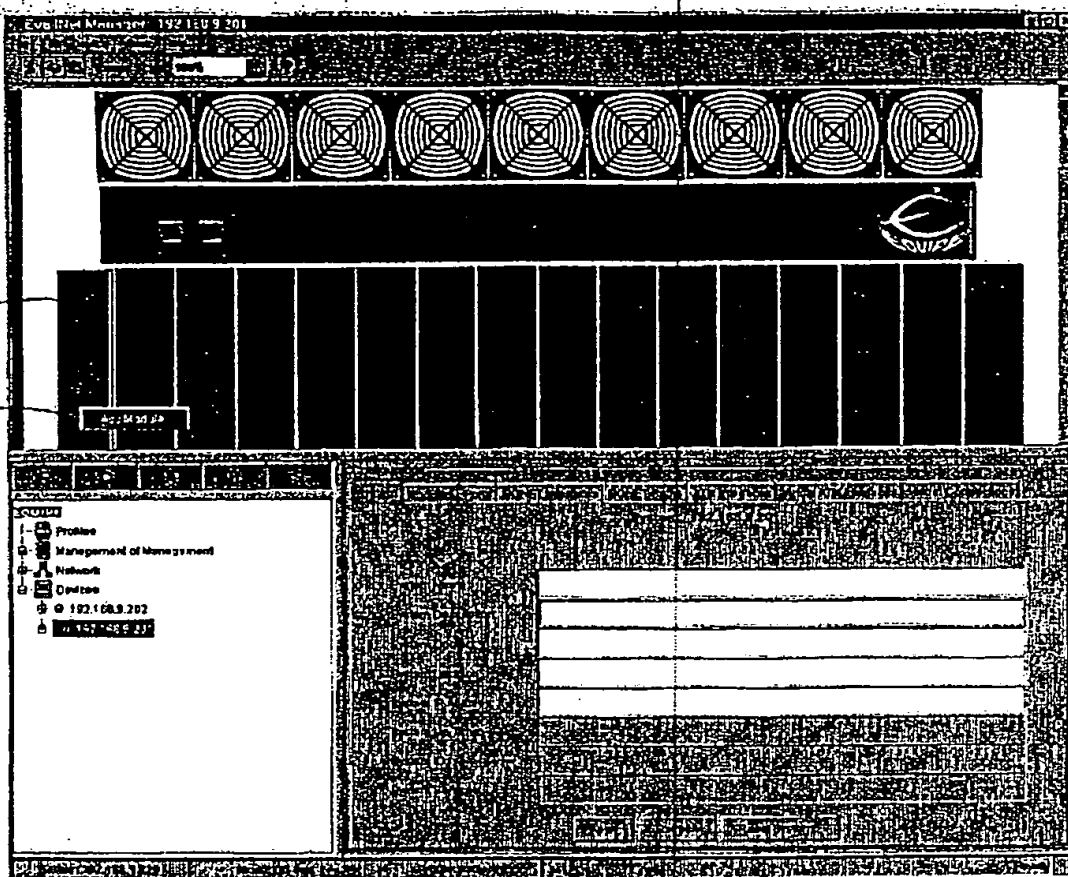


Fig. 6i

Fig. 6j

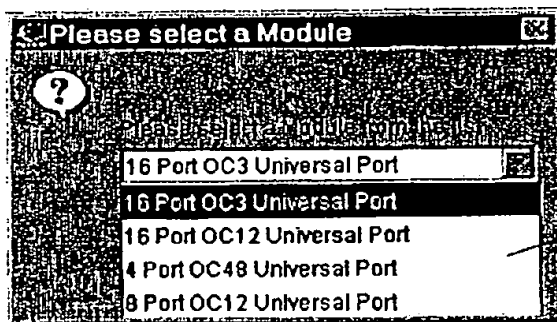
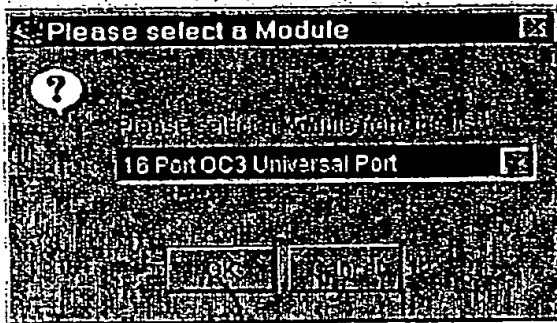


Fig. 6K

895

556i

556h

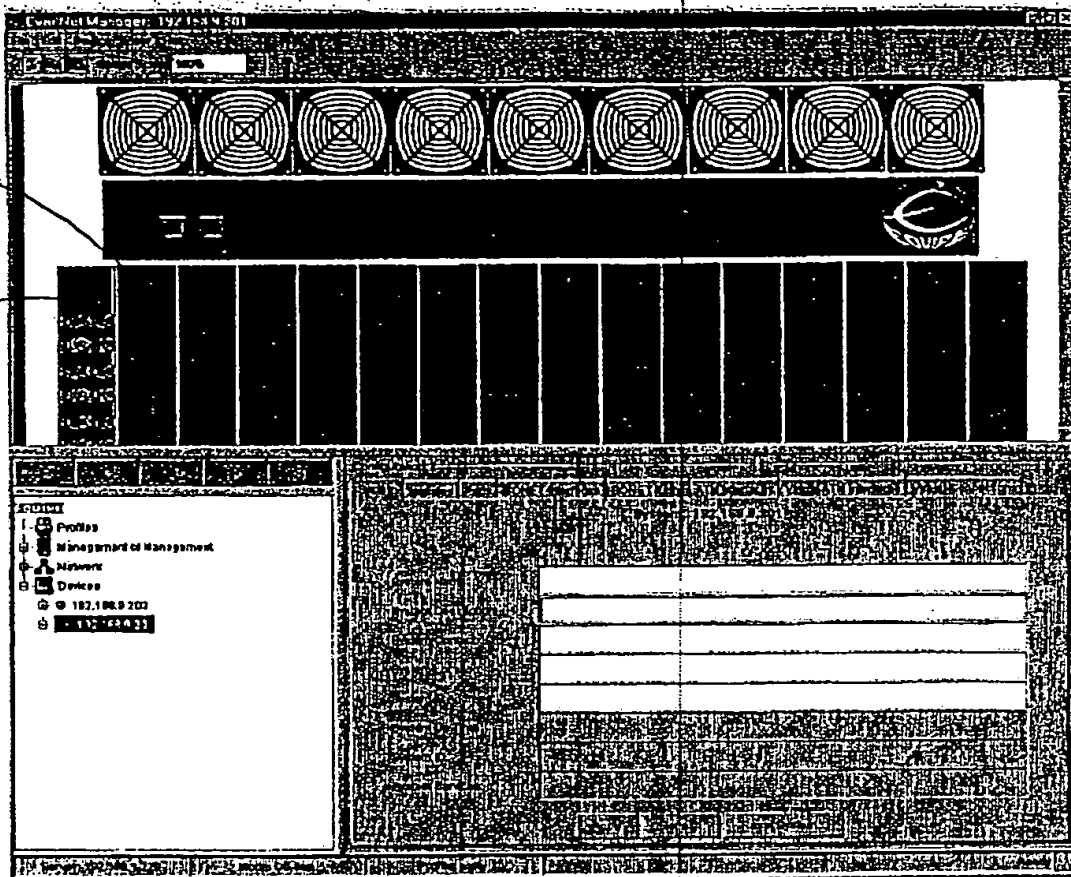


Fig. 6L

895

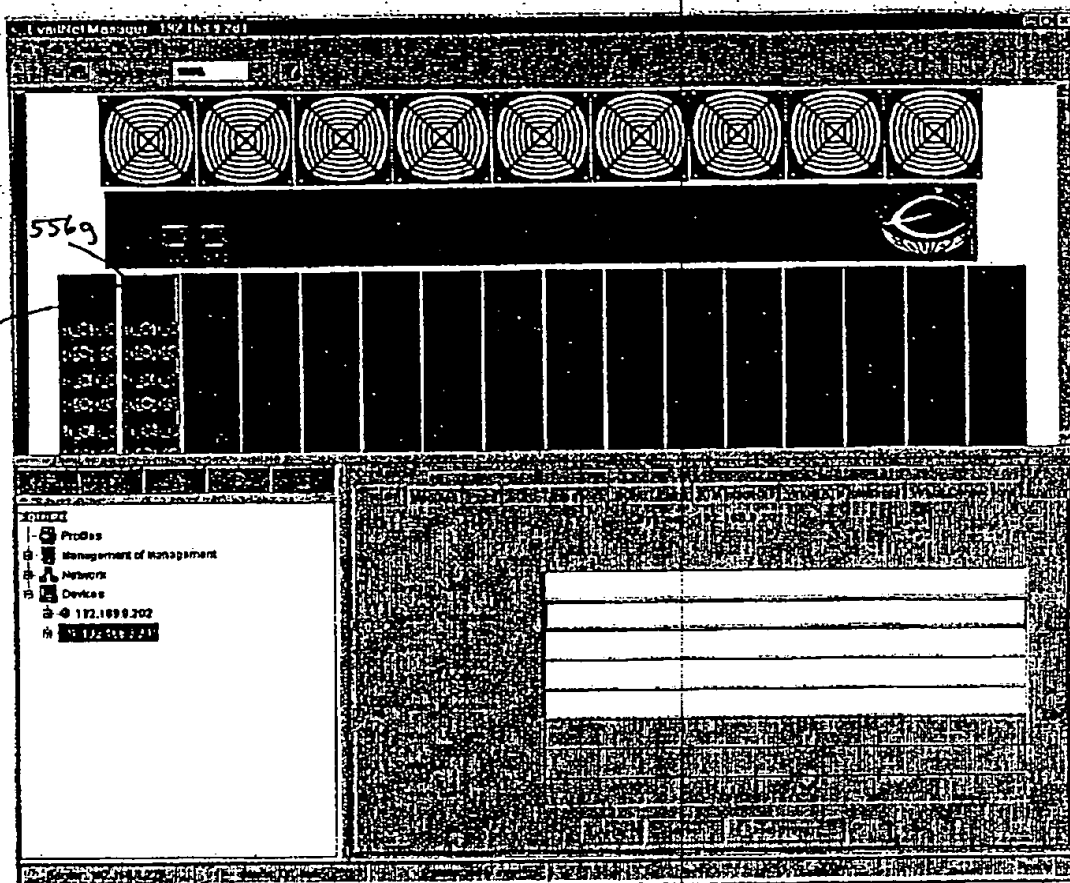


Fig.6m

895

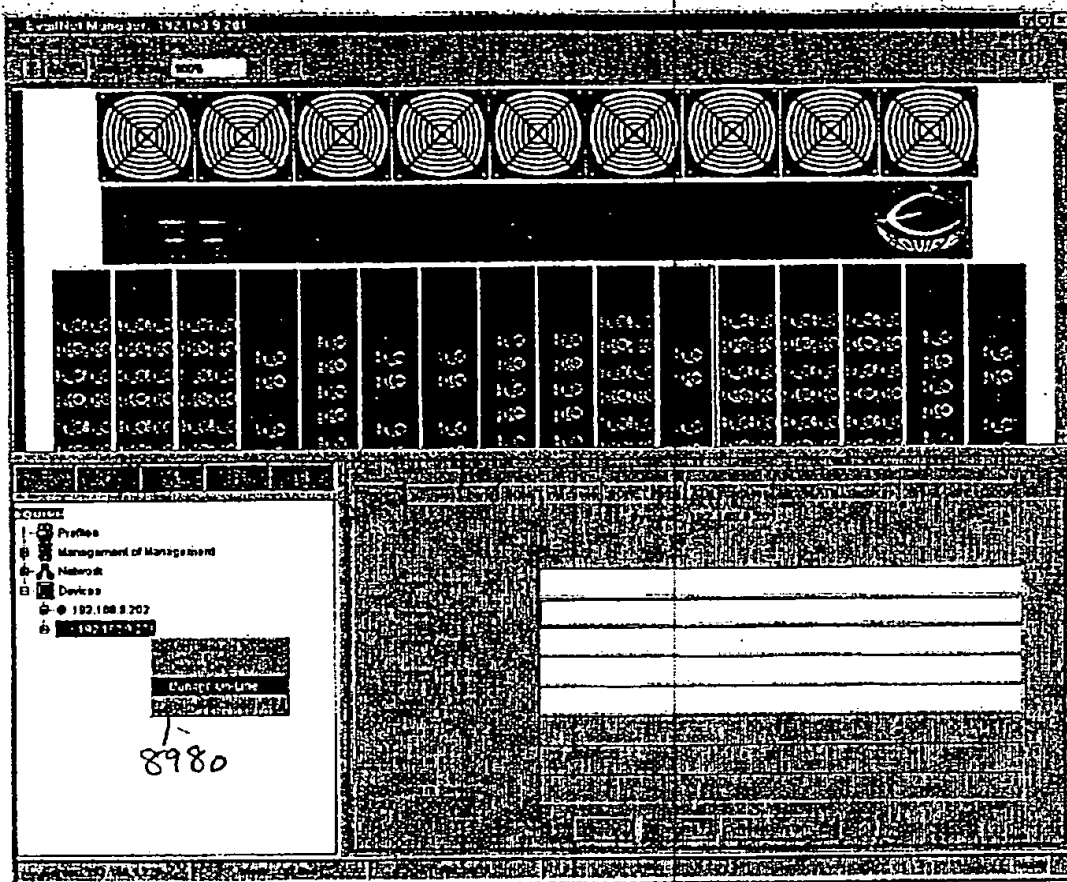


Fig. 6n

895

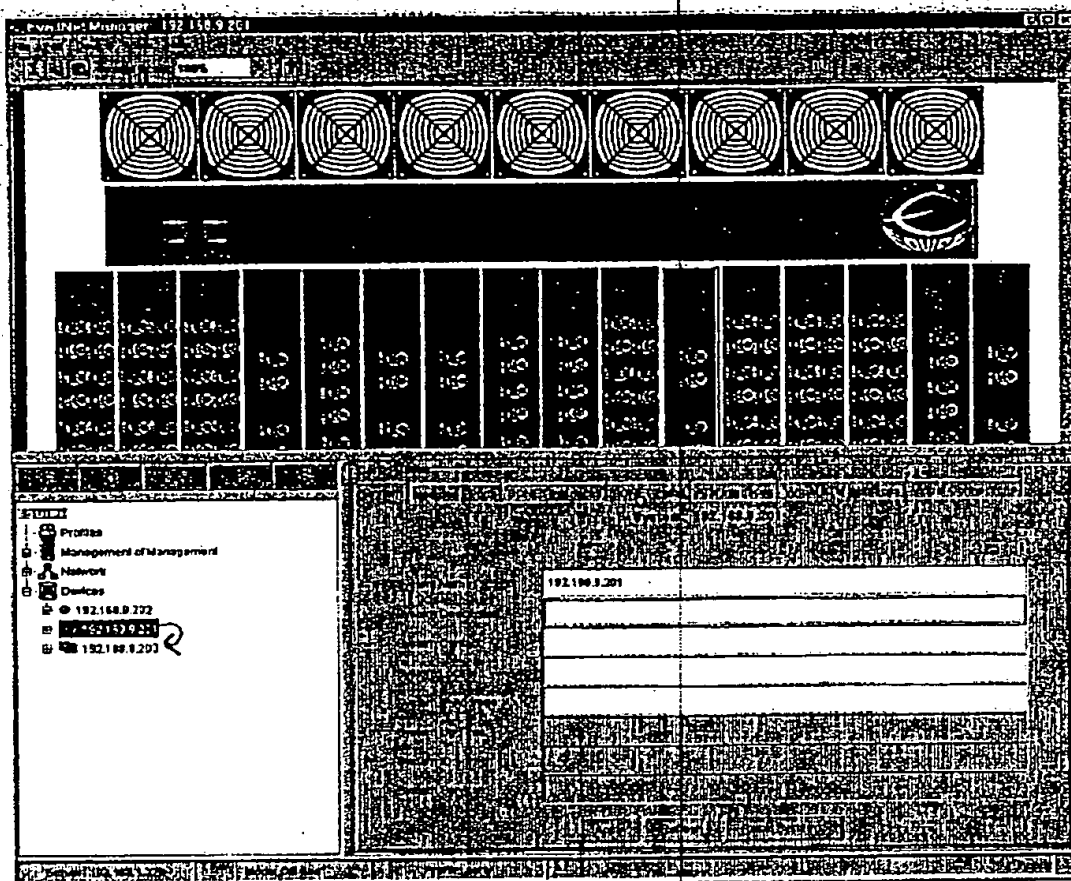


Fig. 60

895

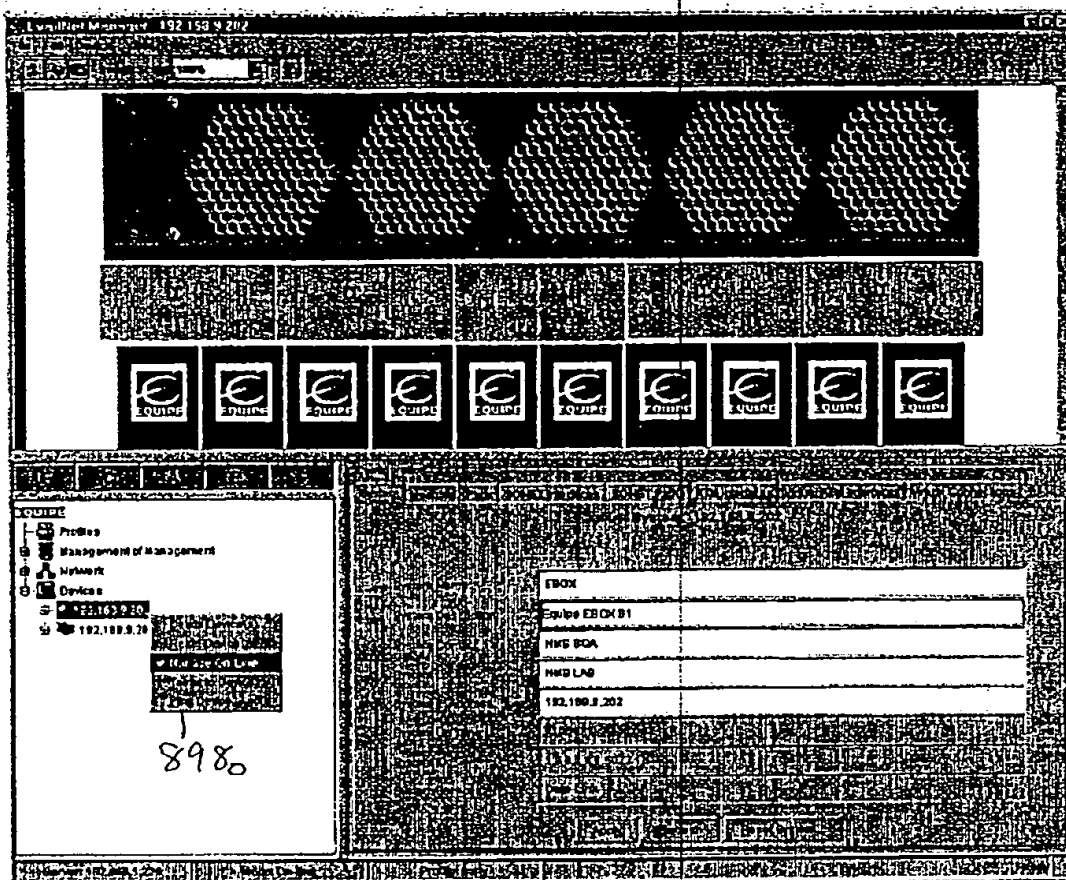


Fig. 6P

895

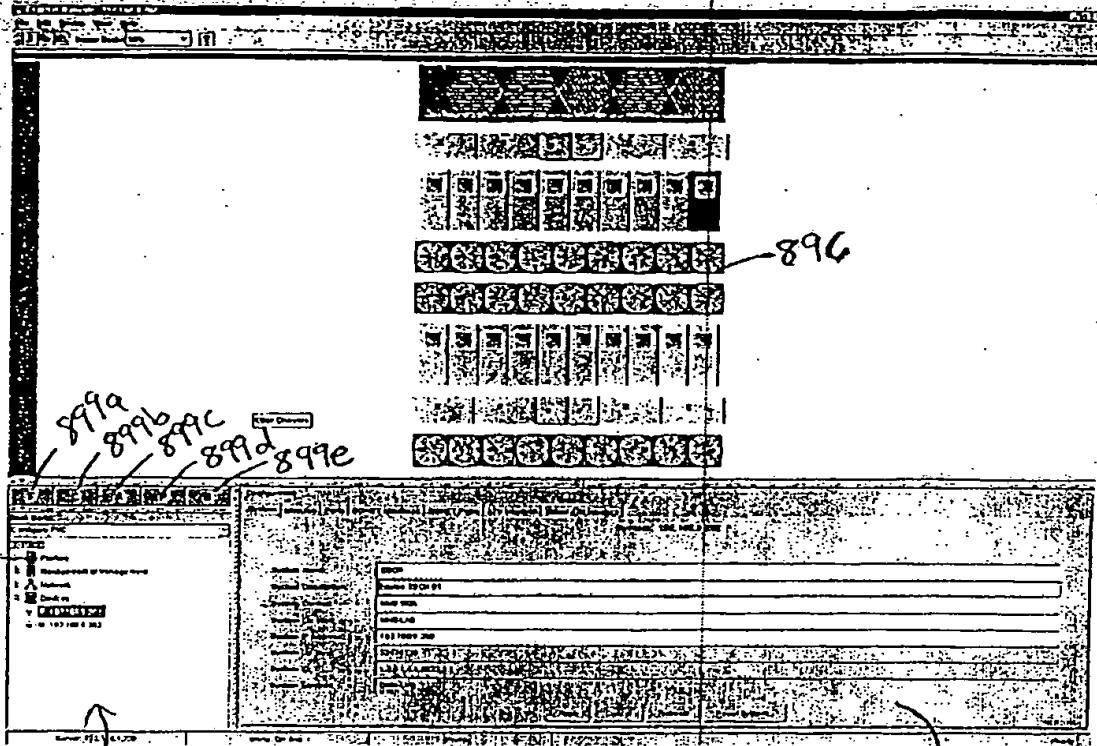


Fig. 7a

1000

Fig. 7b

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																		
Population	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000	9,500,000	9,550,000	9,600,000	9,650,000	9,700,000	9,750,000	9,800,000	9,850,000	9,900,000	9,950,000	10,000,000

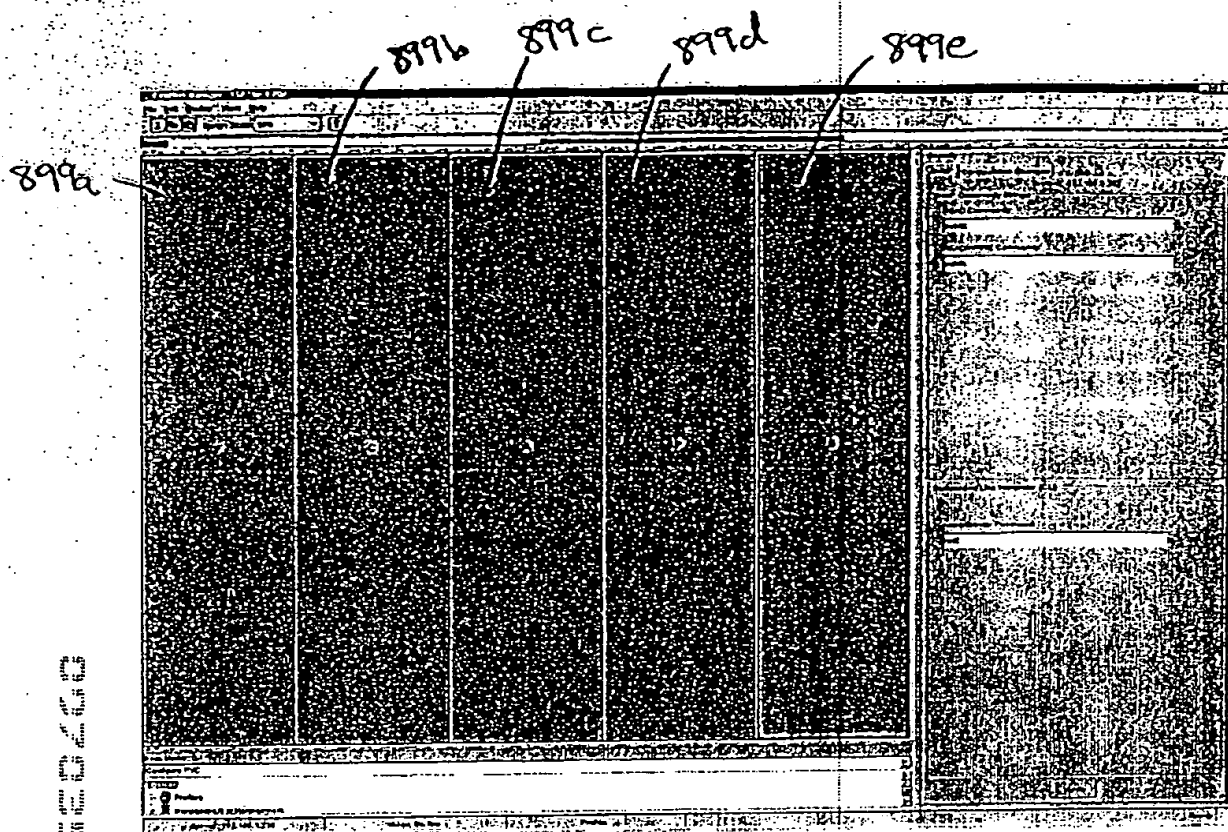


Fig.7c

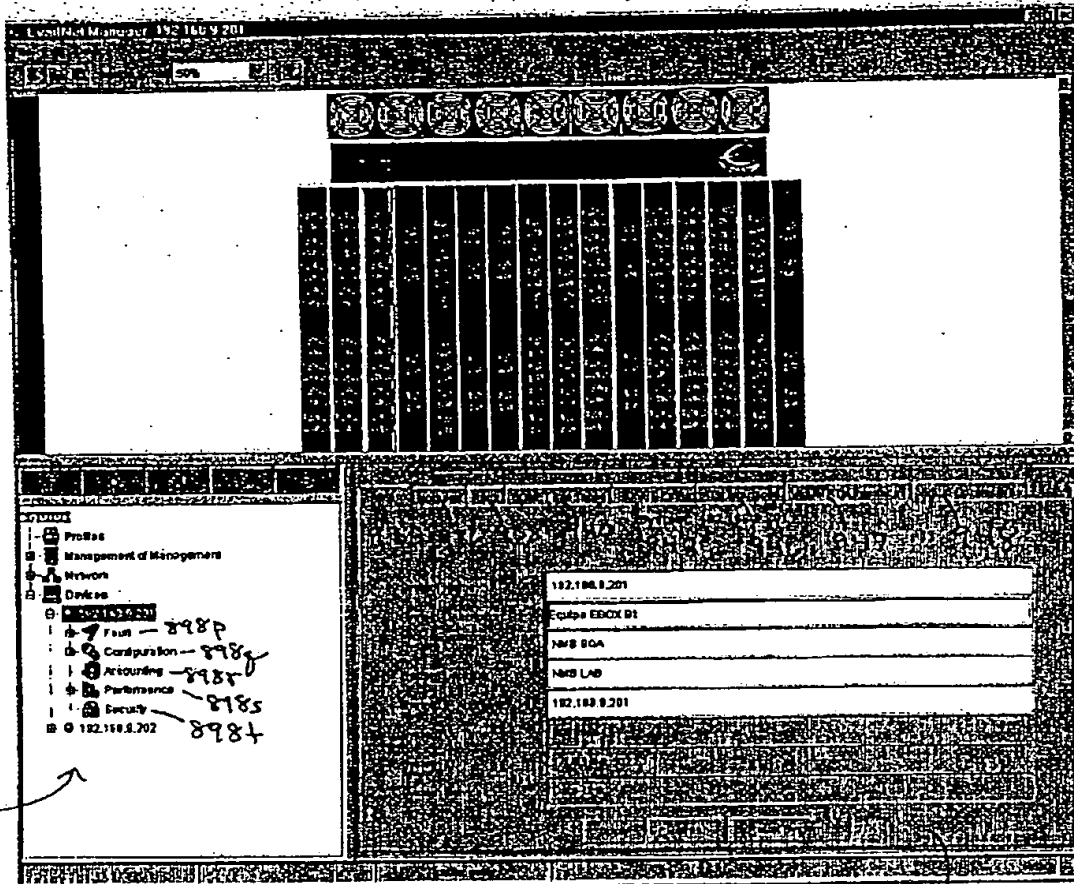
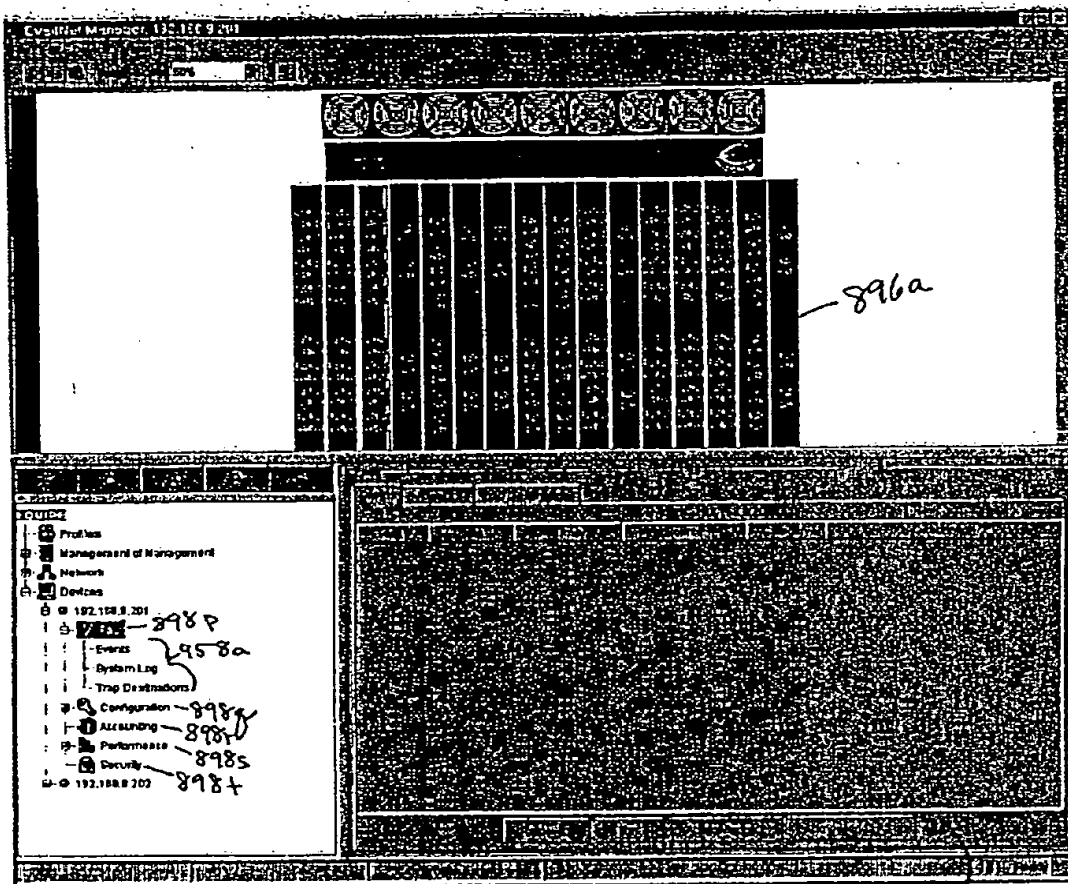


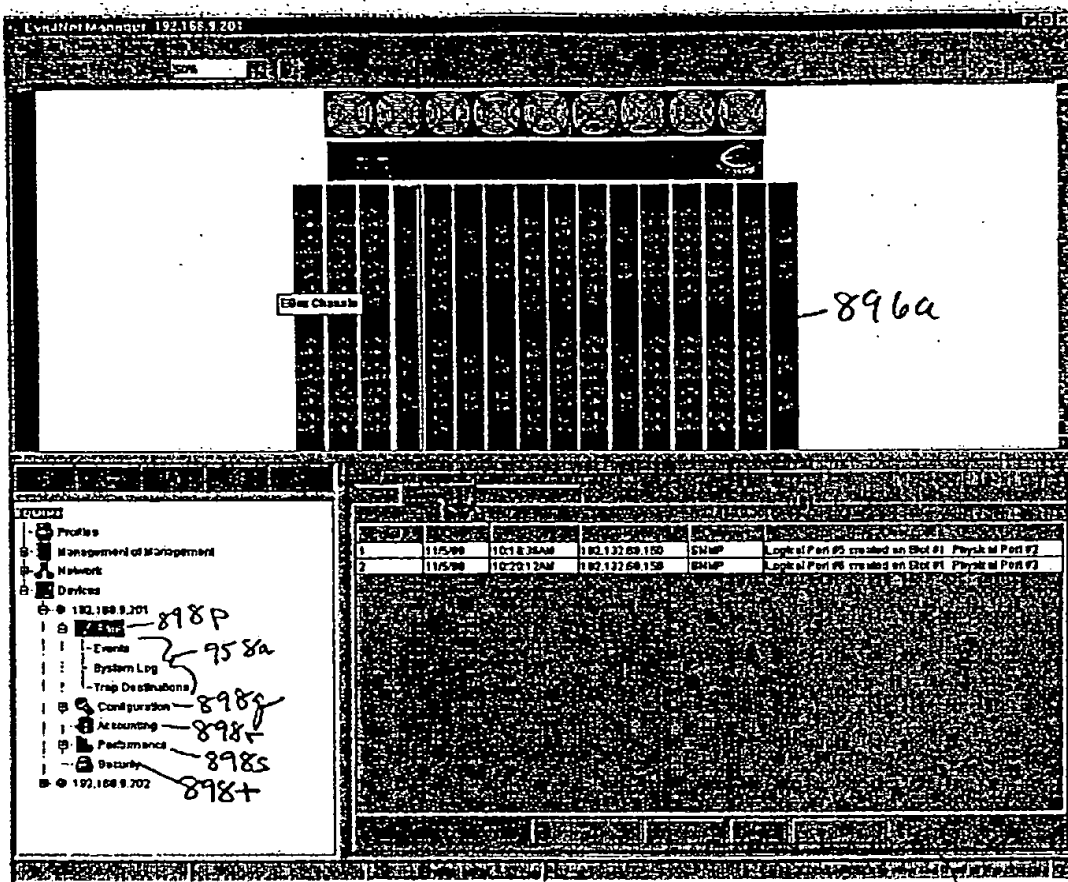
Fig. 7d

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Fig. 7e



897

Fig. 78

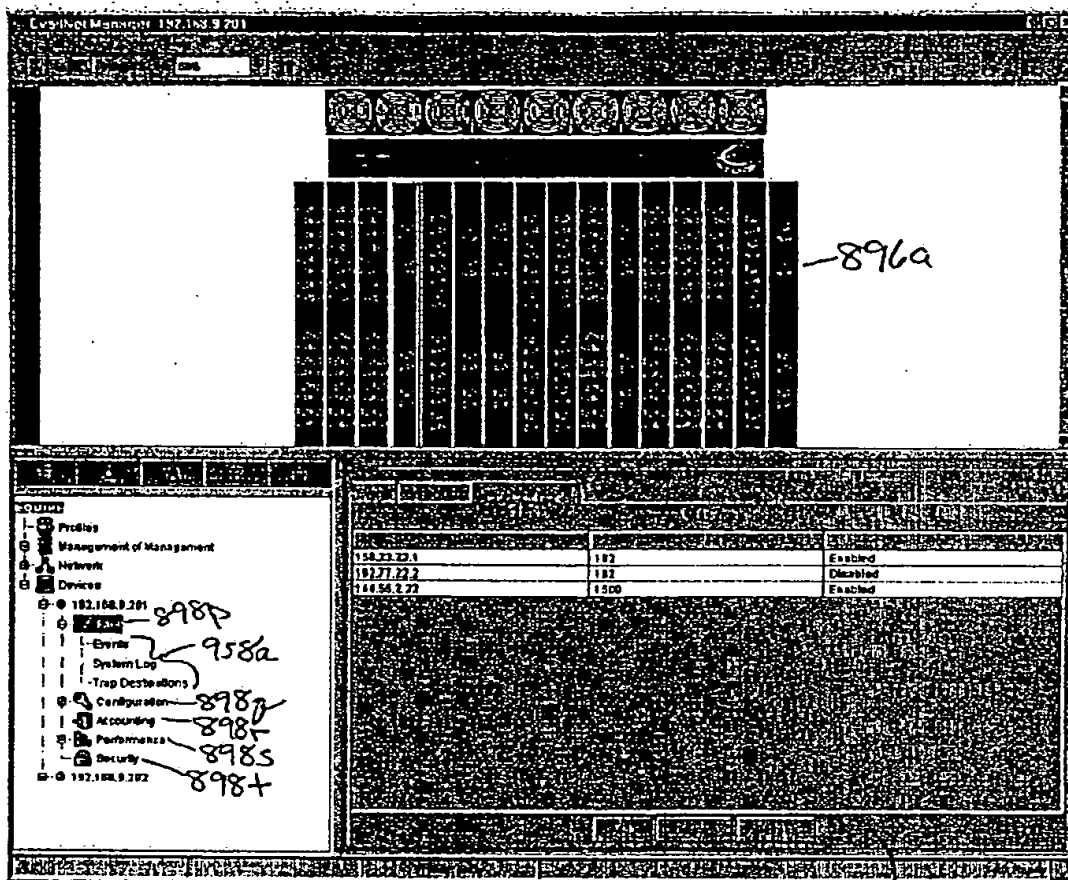


Fig. 7g

895

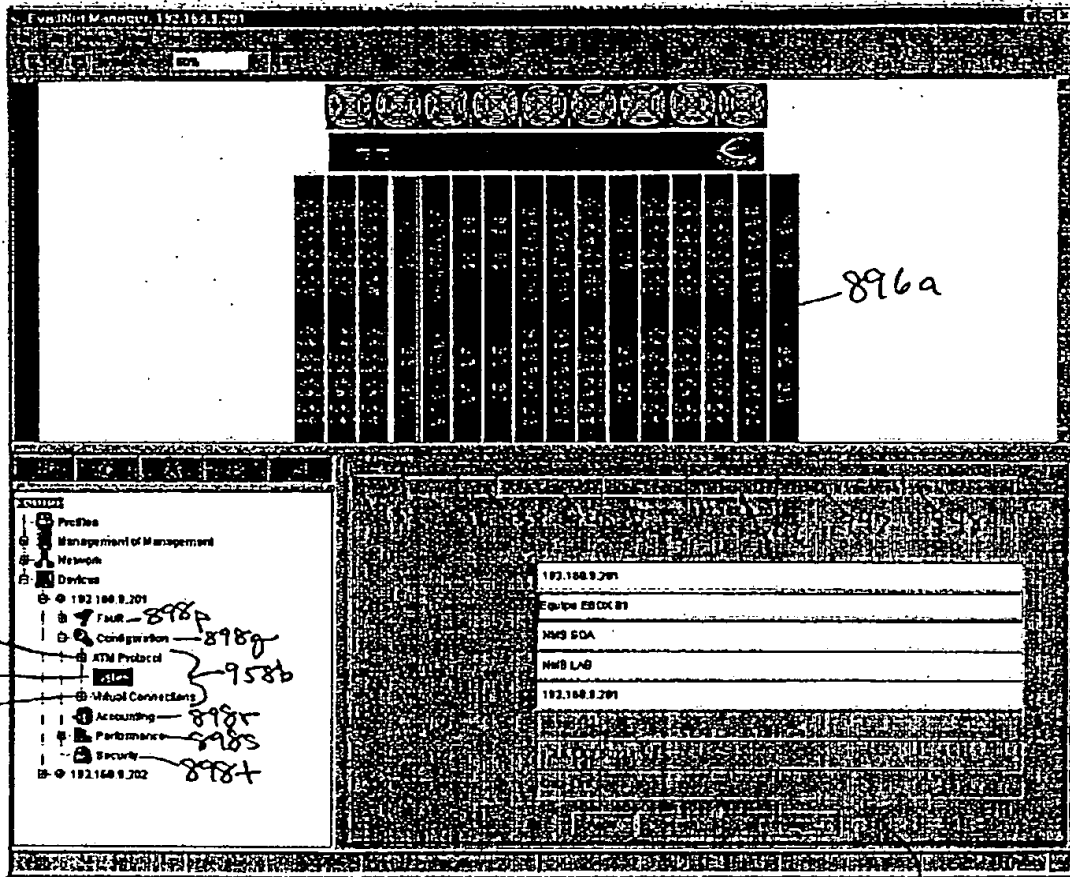
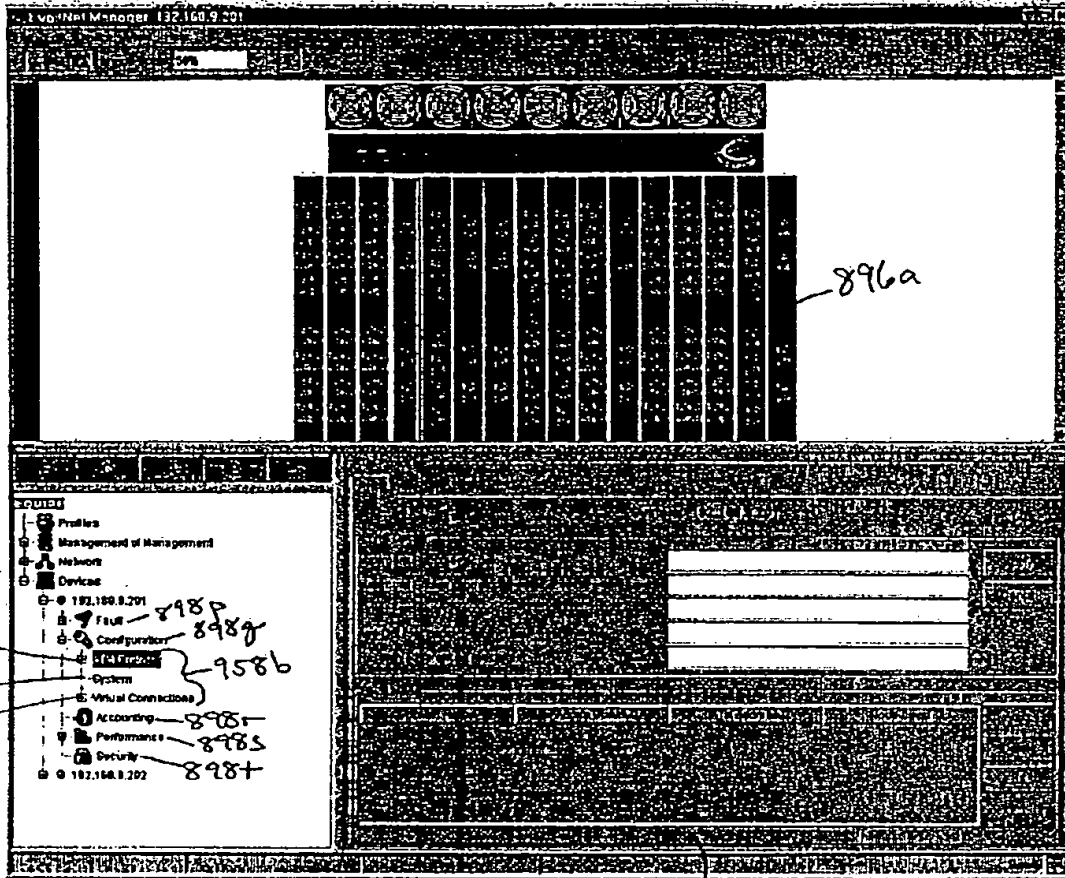


Fig. 7b

895



877

Fig. 7i

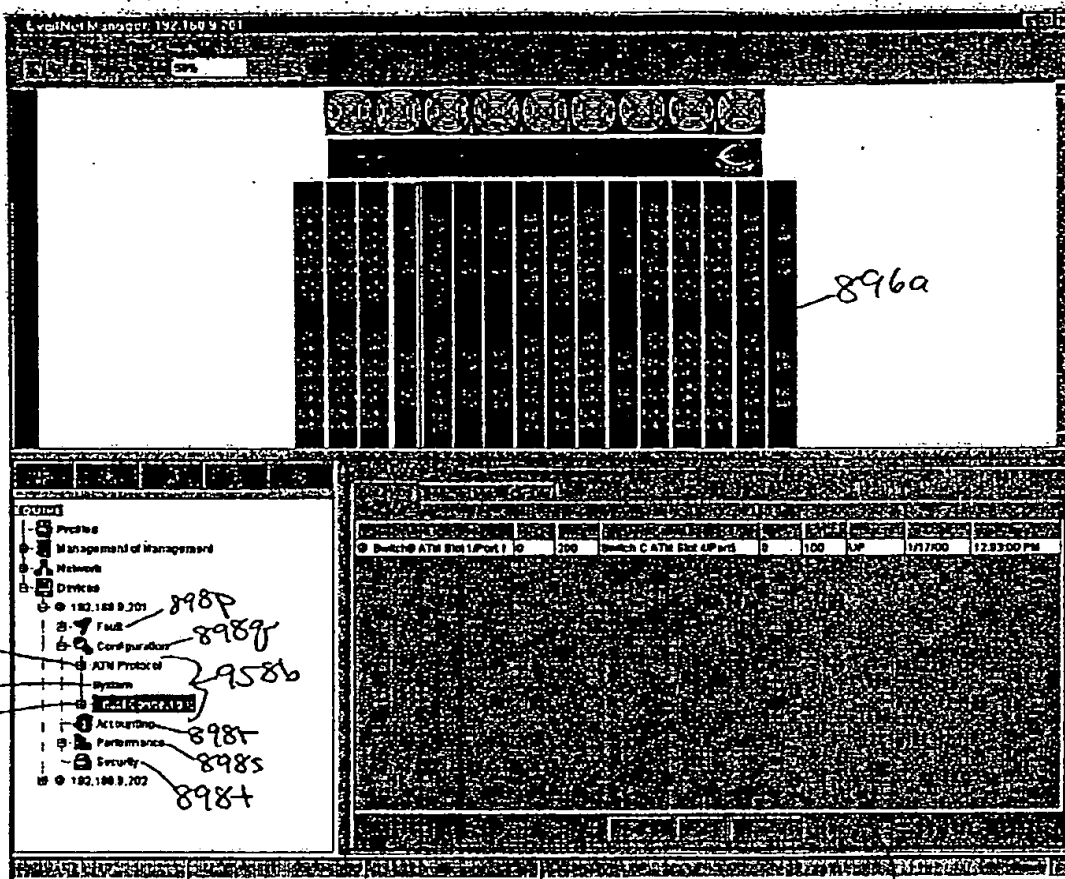


Fig. 7j

895

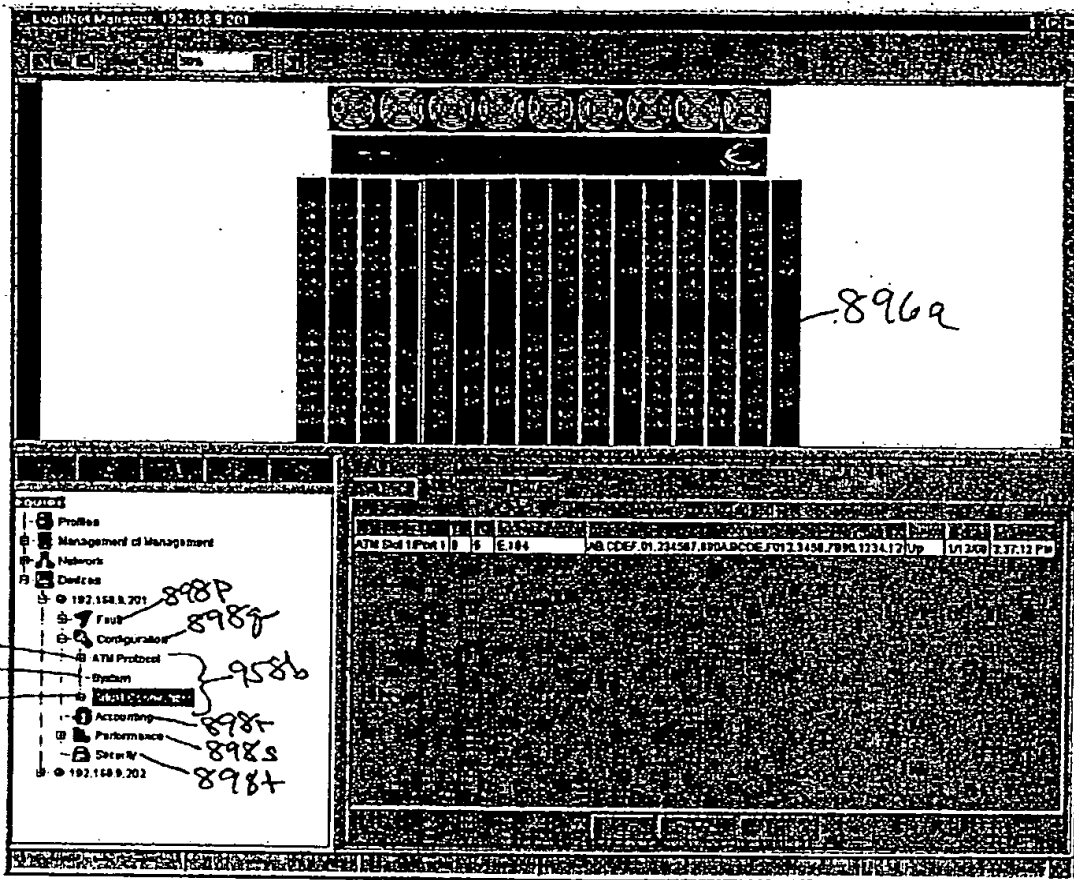
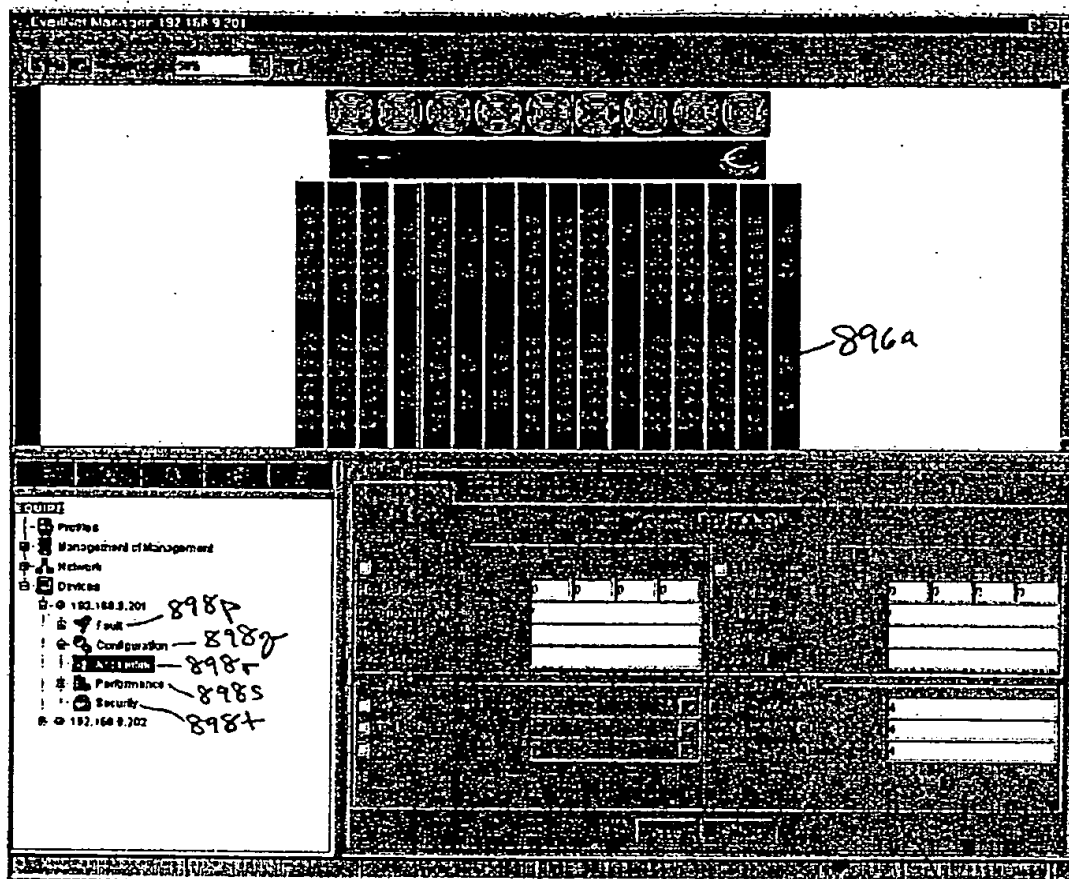
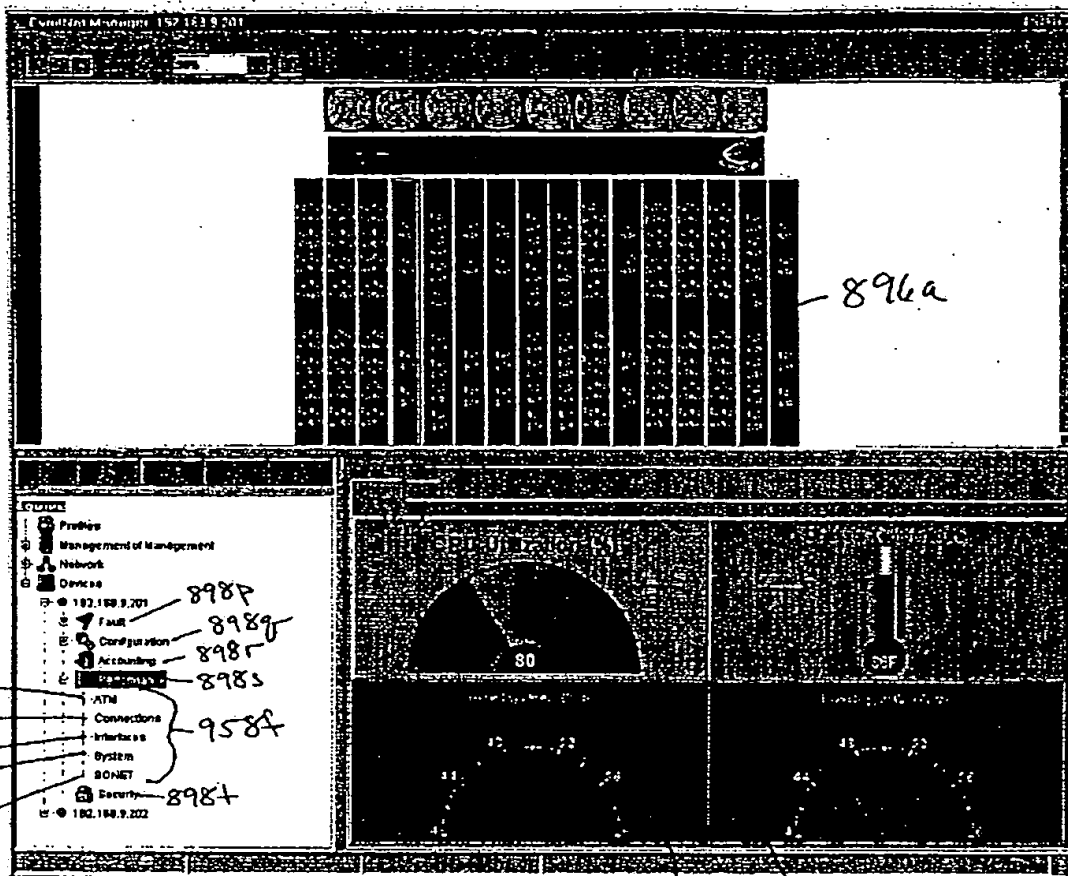


Fig. 7K



F, g. 7L

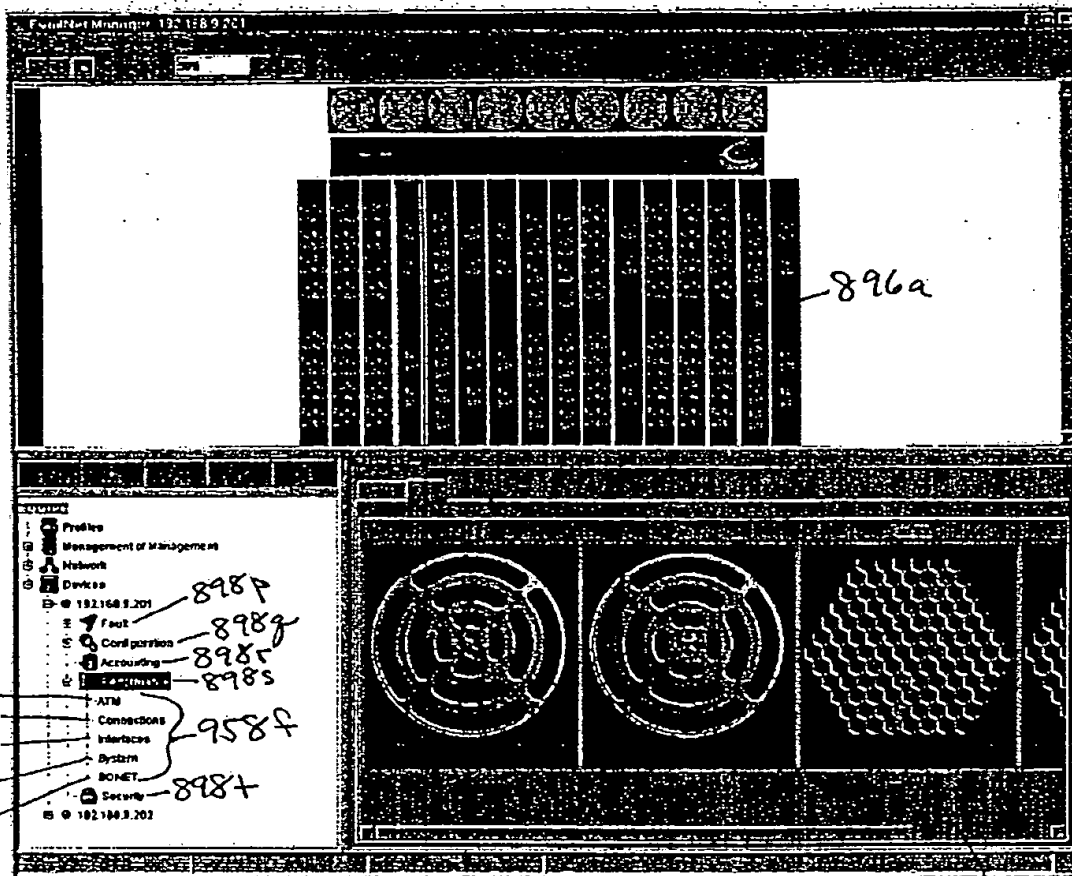
895



962e 962f

Fig. 7m

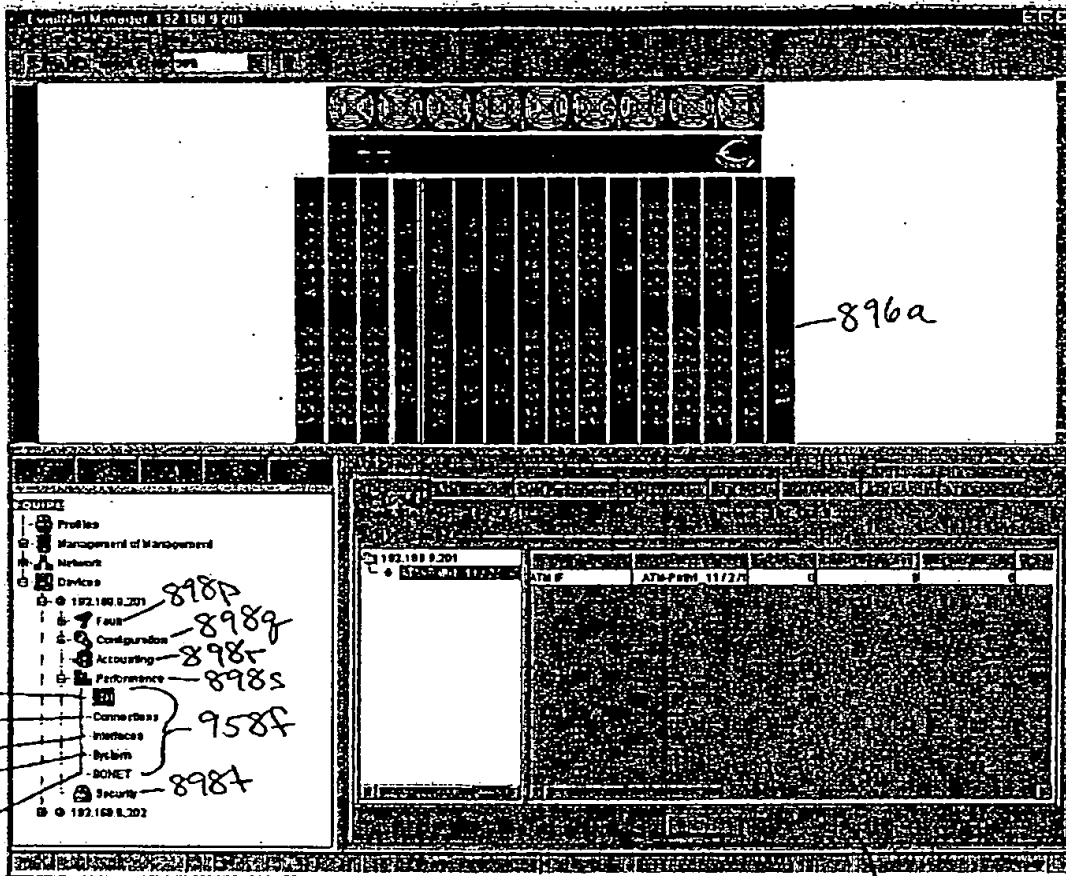
895



897

Fig. 7n

895



896a

897

Fig. 70

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896a

958g
958h
958i
958j
958k

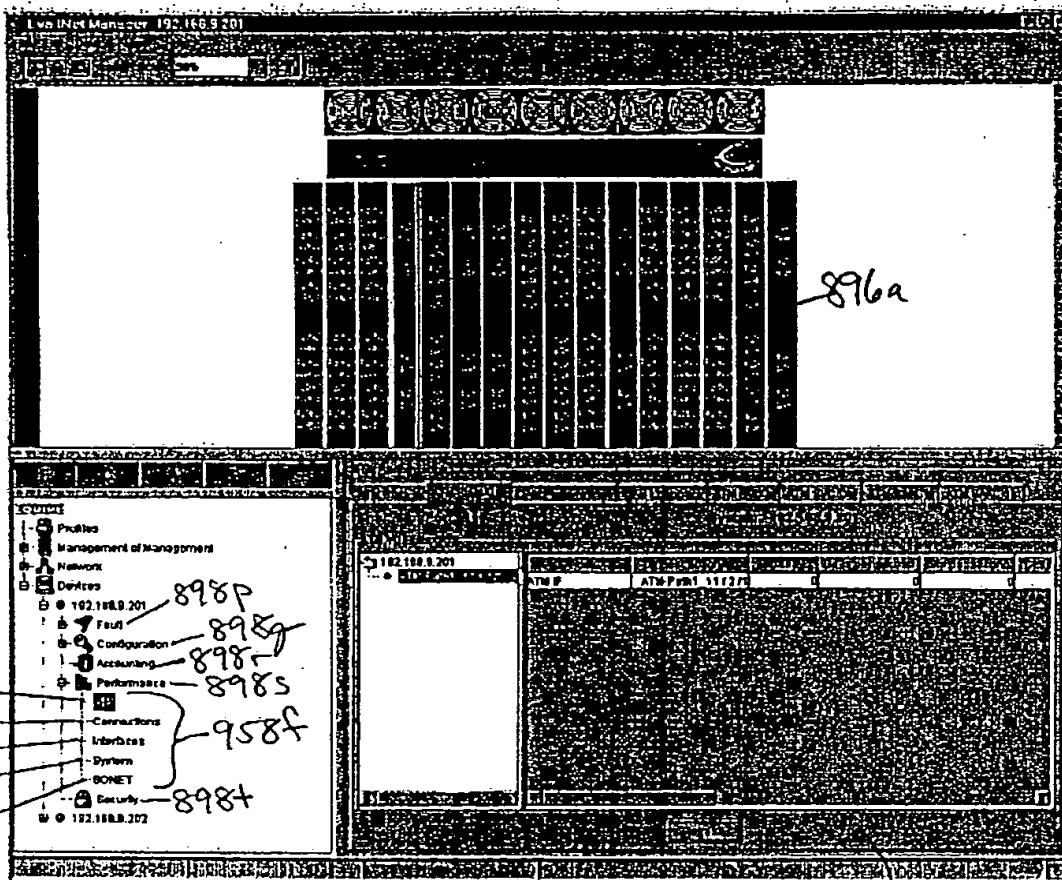


Fig. 7p

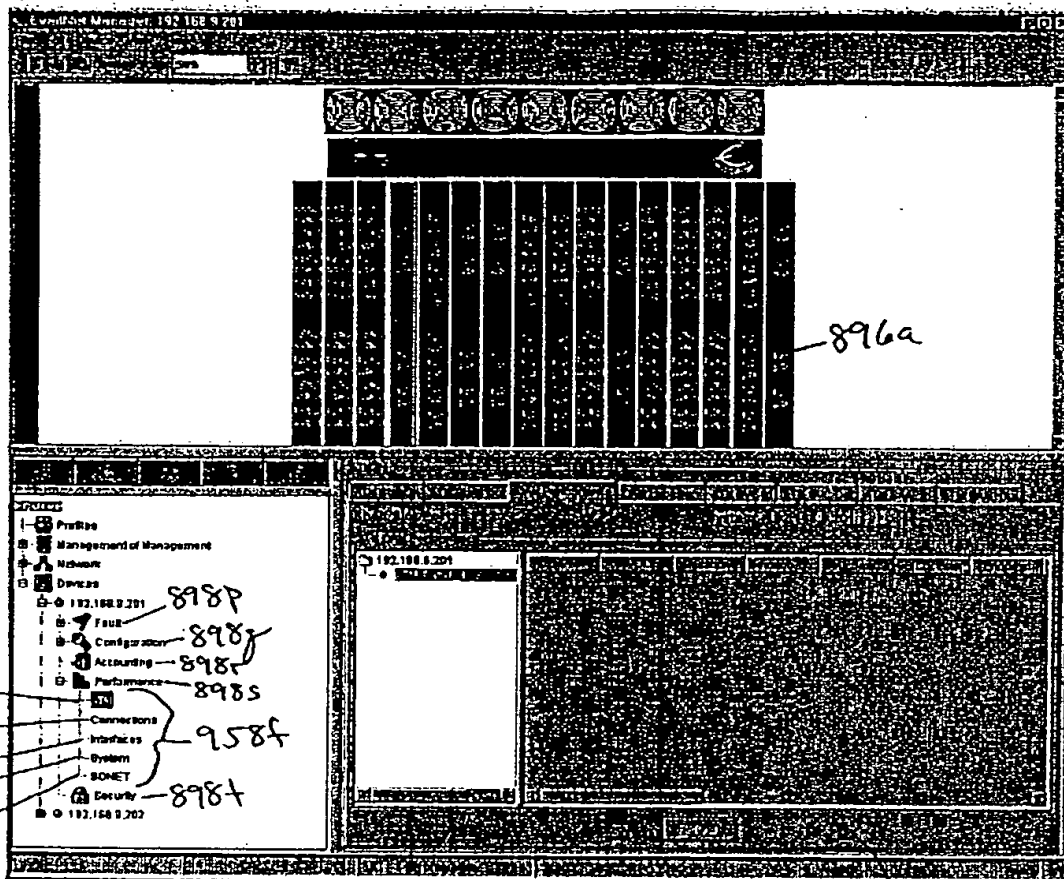
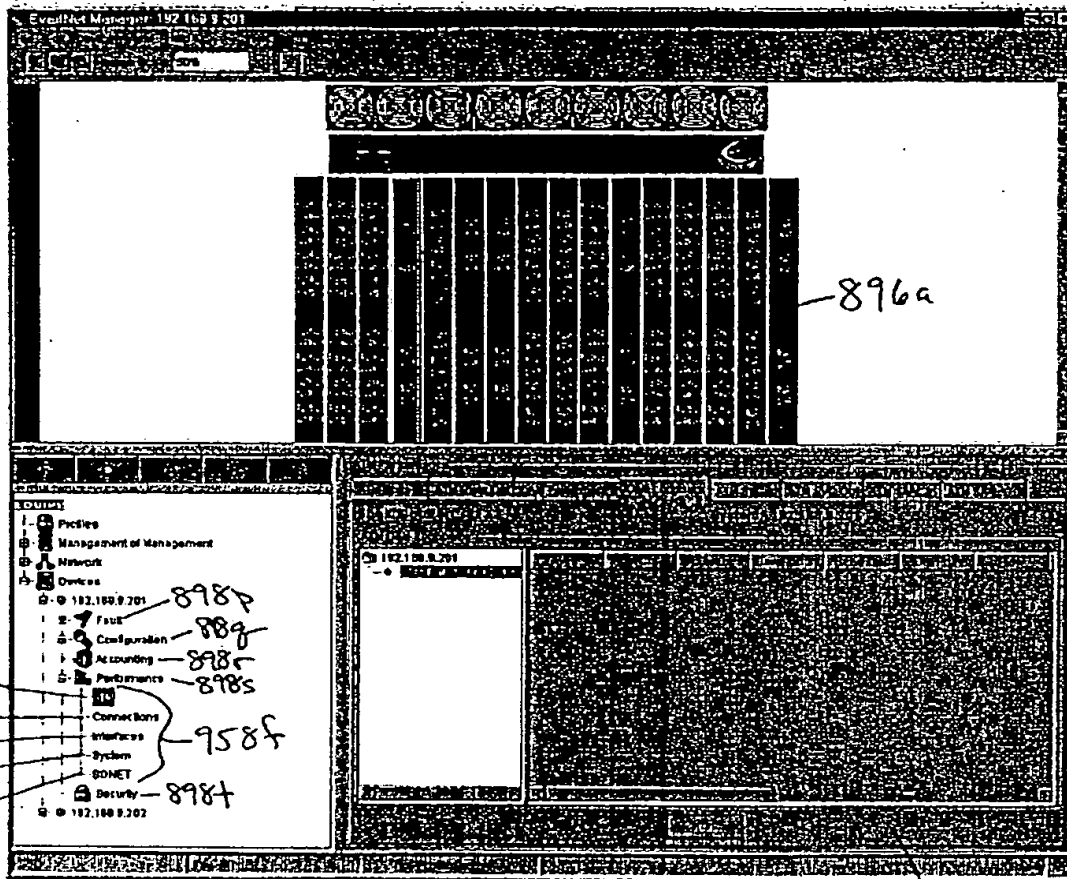


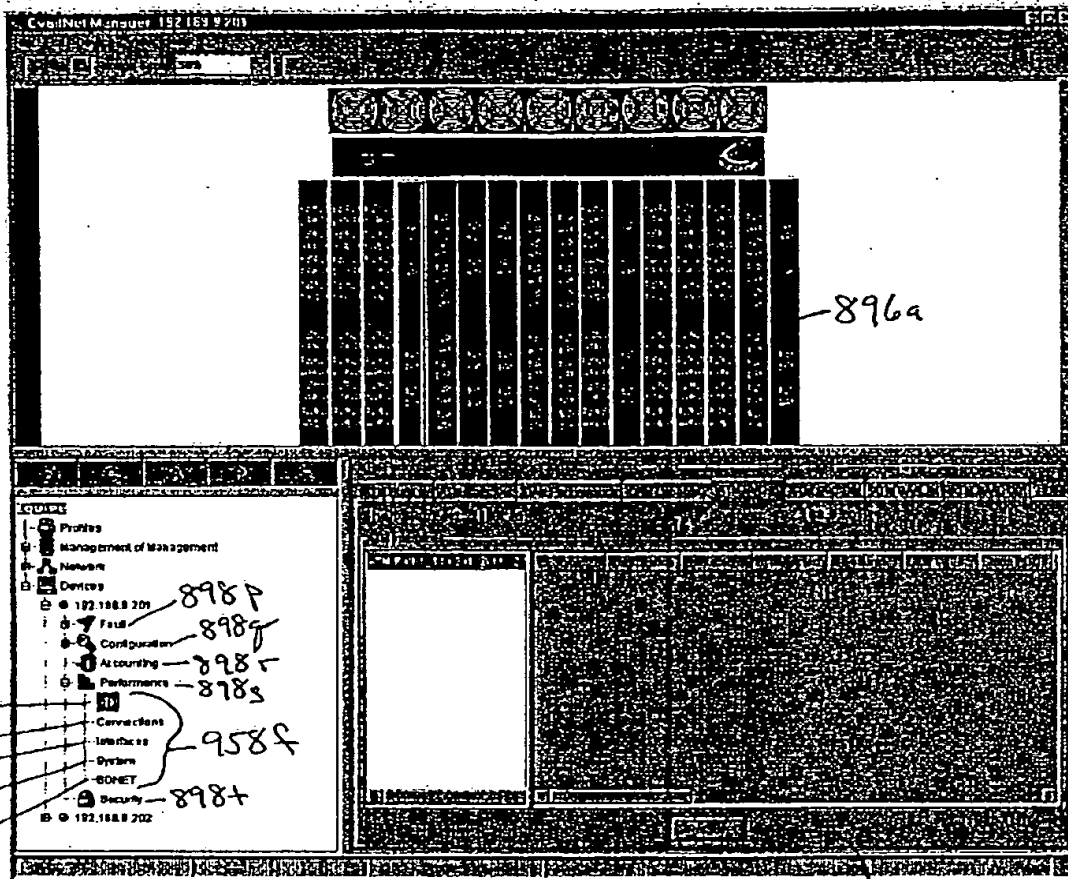
Fig. 7g



897

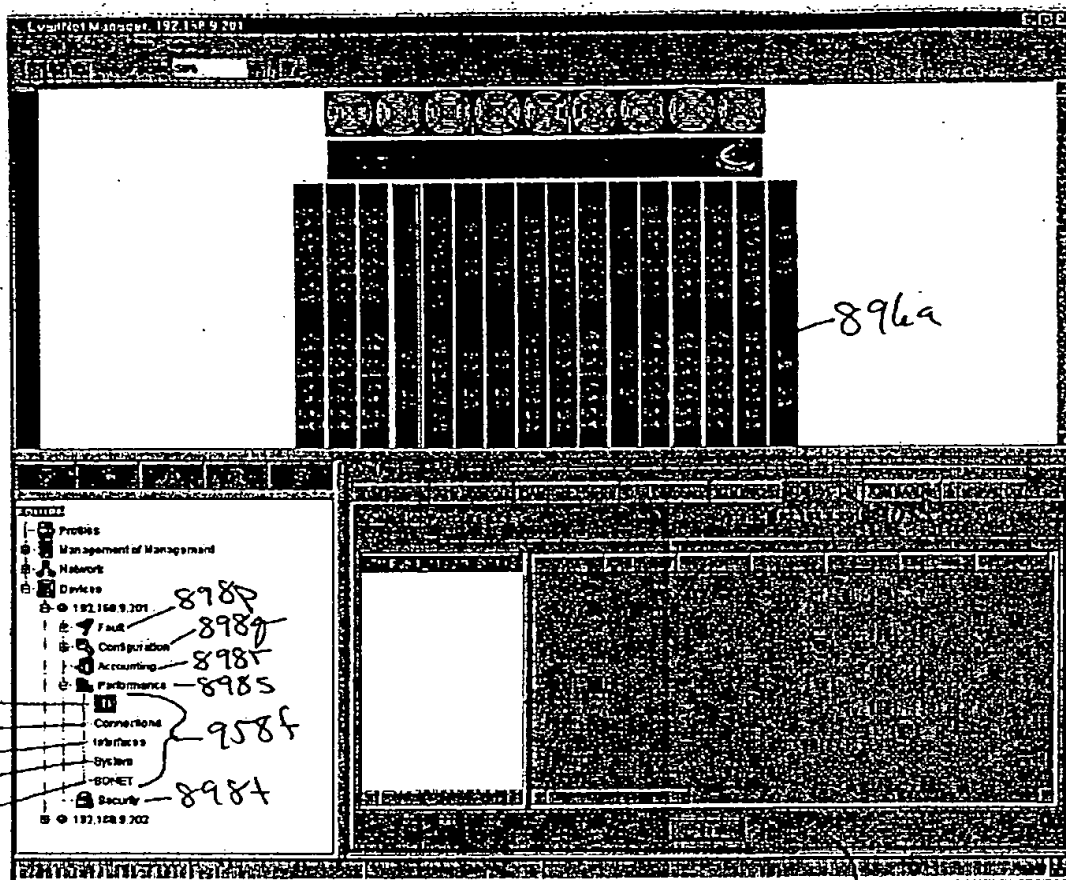
Fig. 7r

895

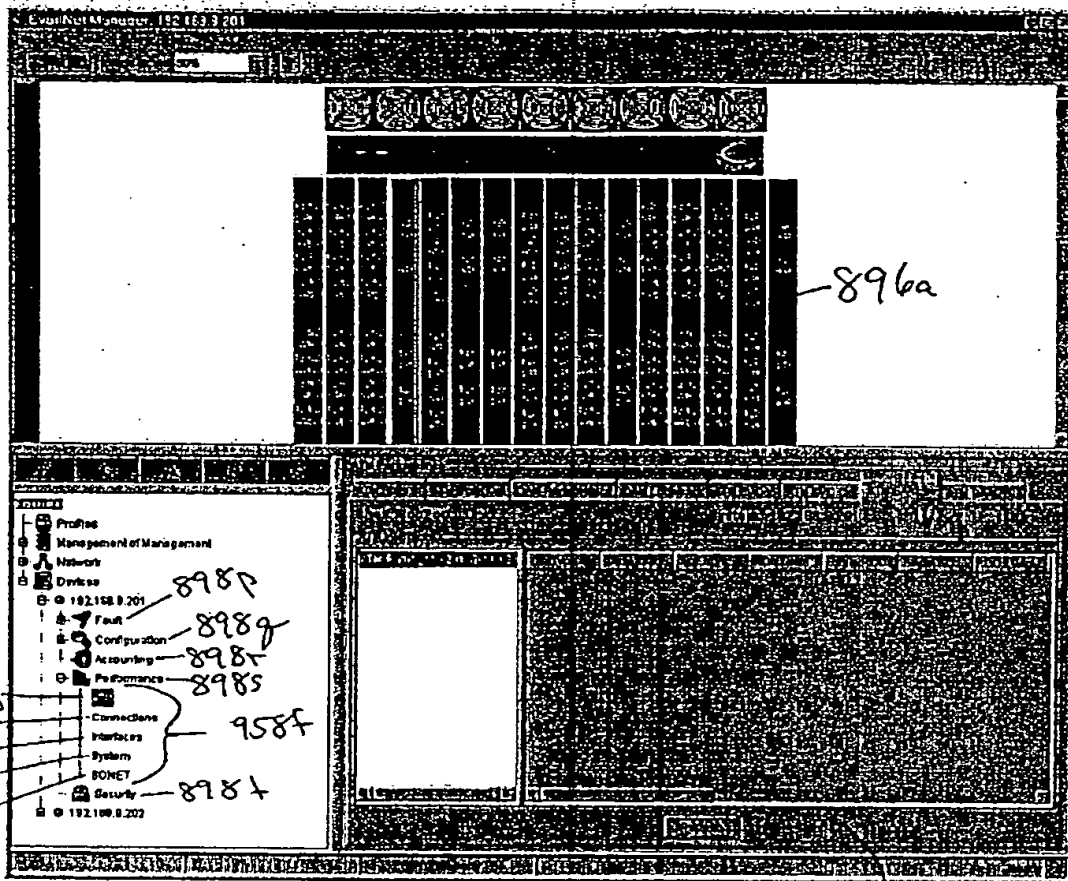


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Fig. 7s



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Fig. 7u

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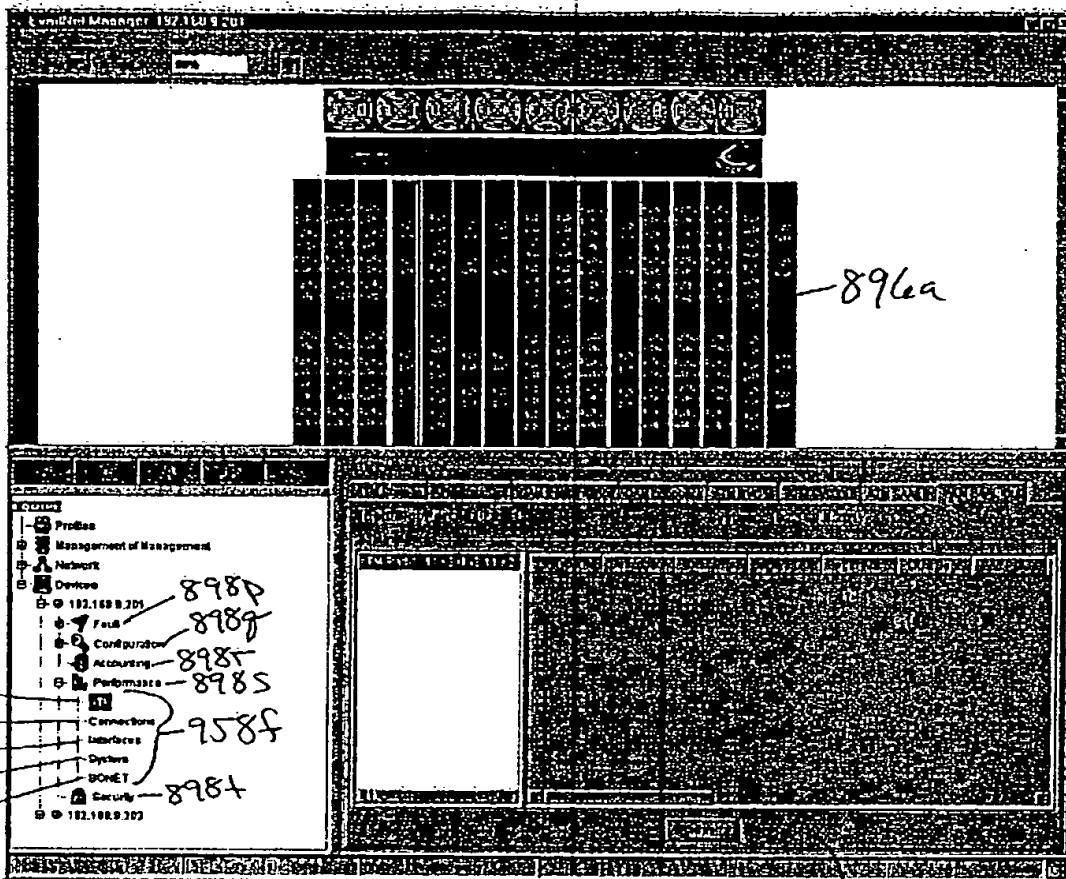


Fig. 7v

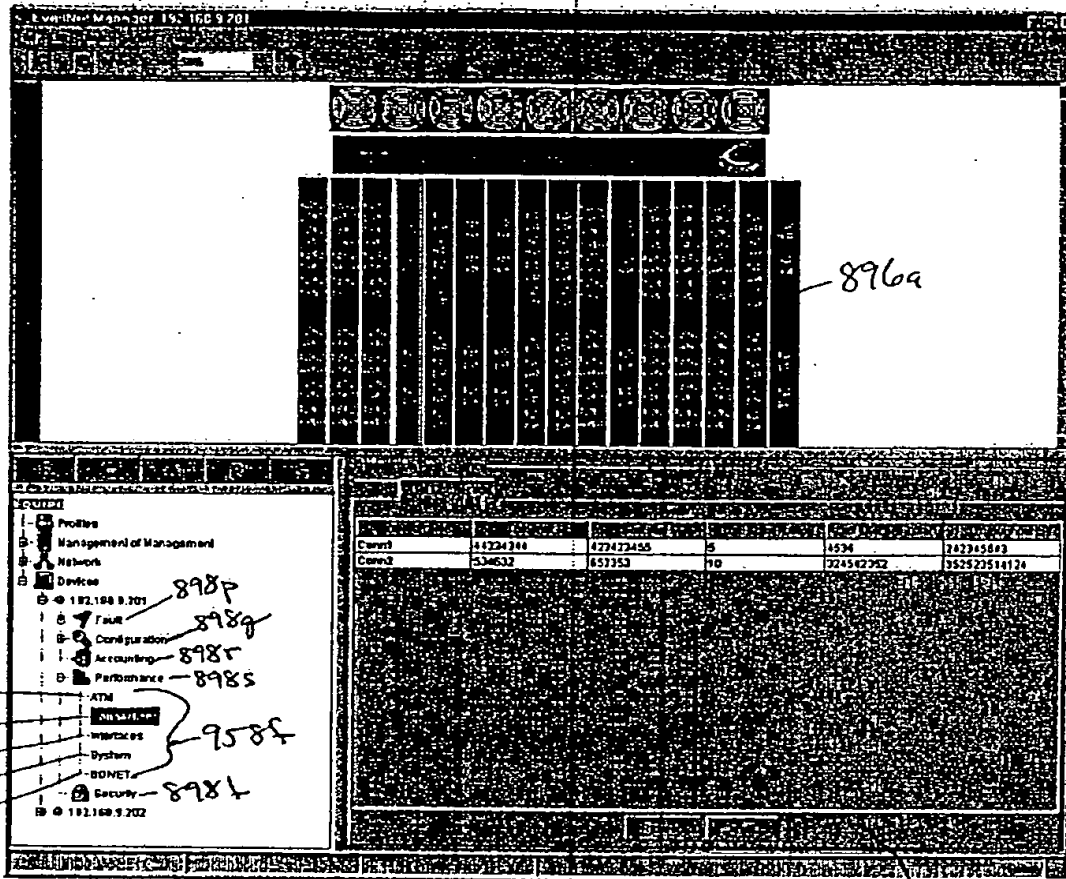
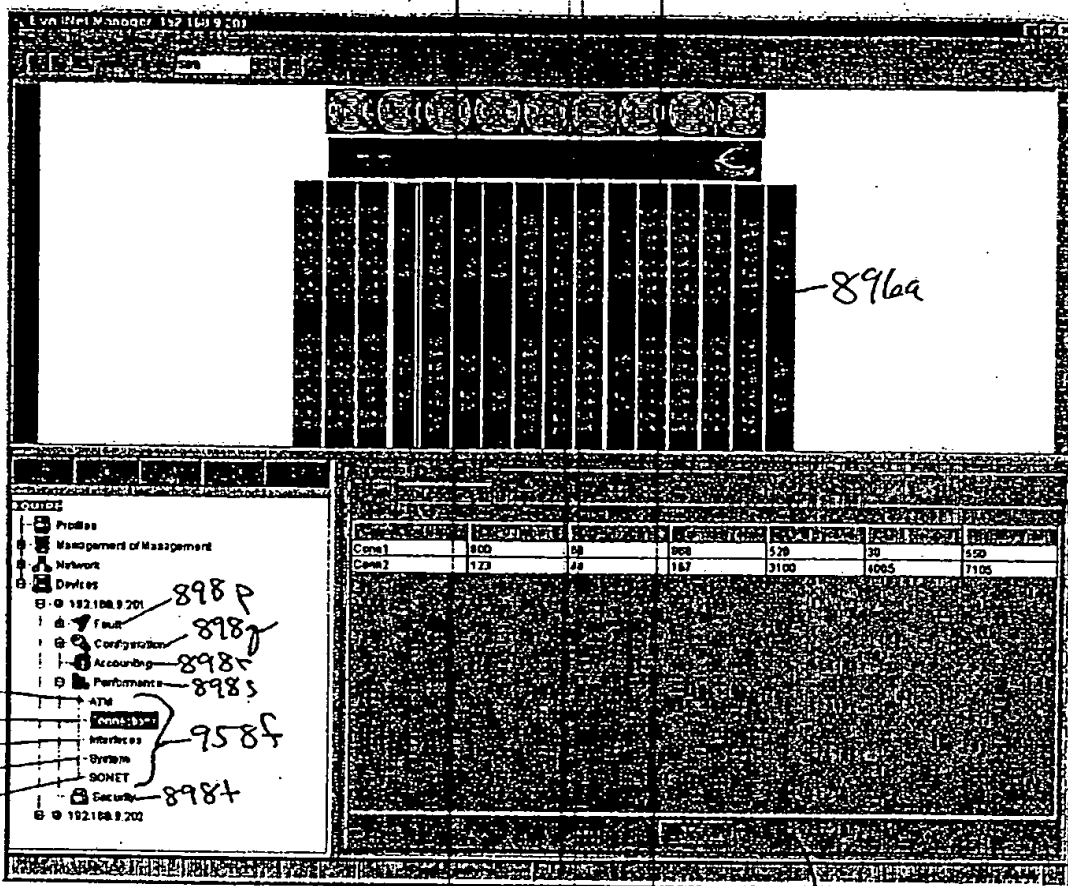


Fig. 7w

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897

Fig. 7x

895

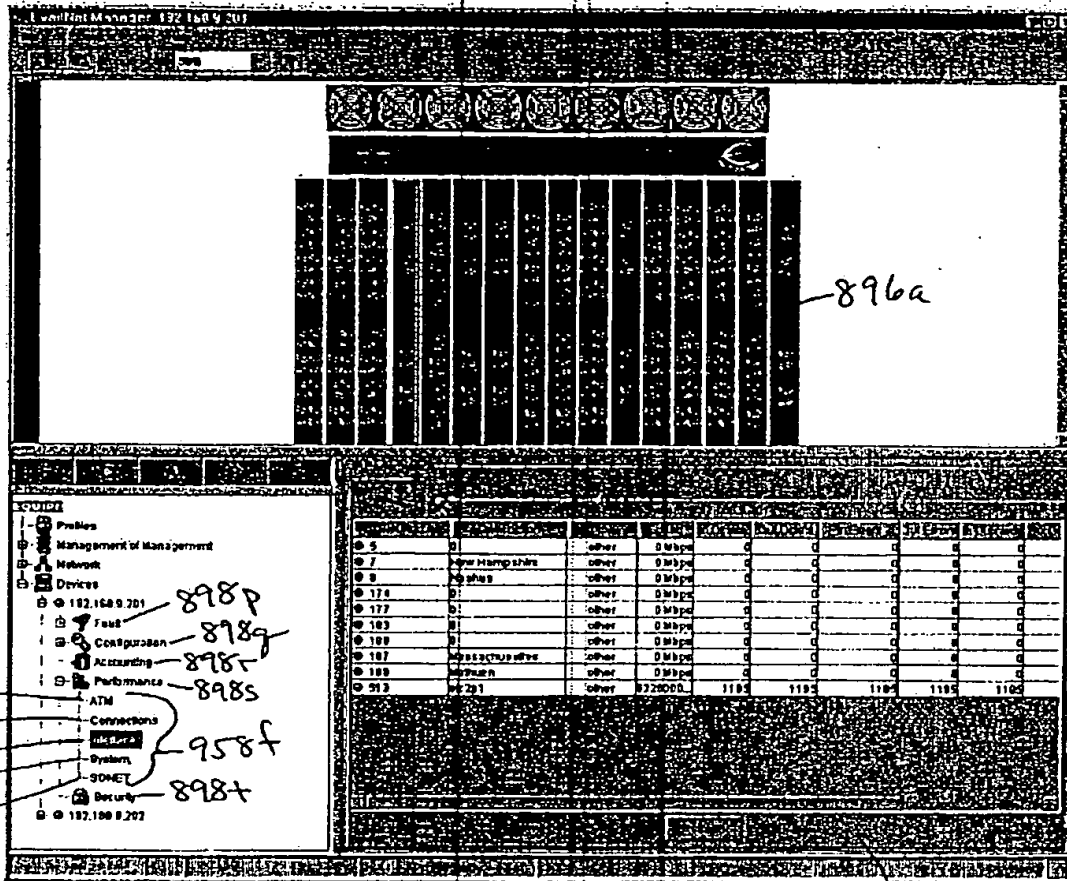
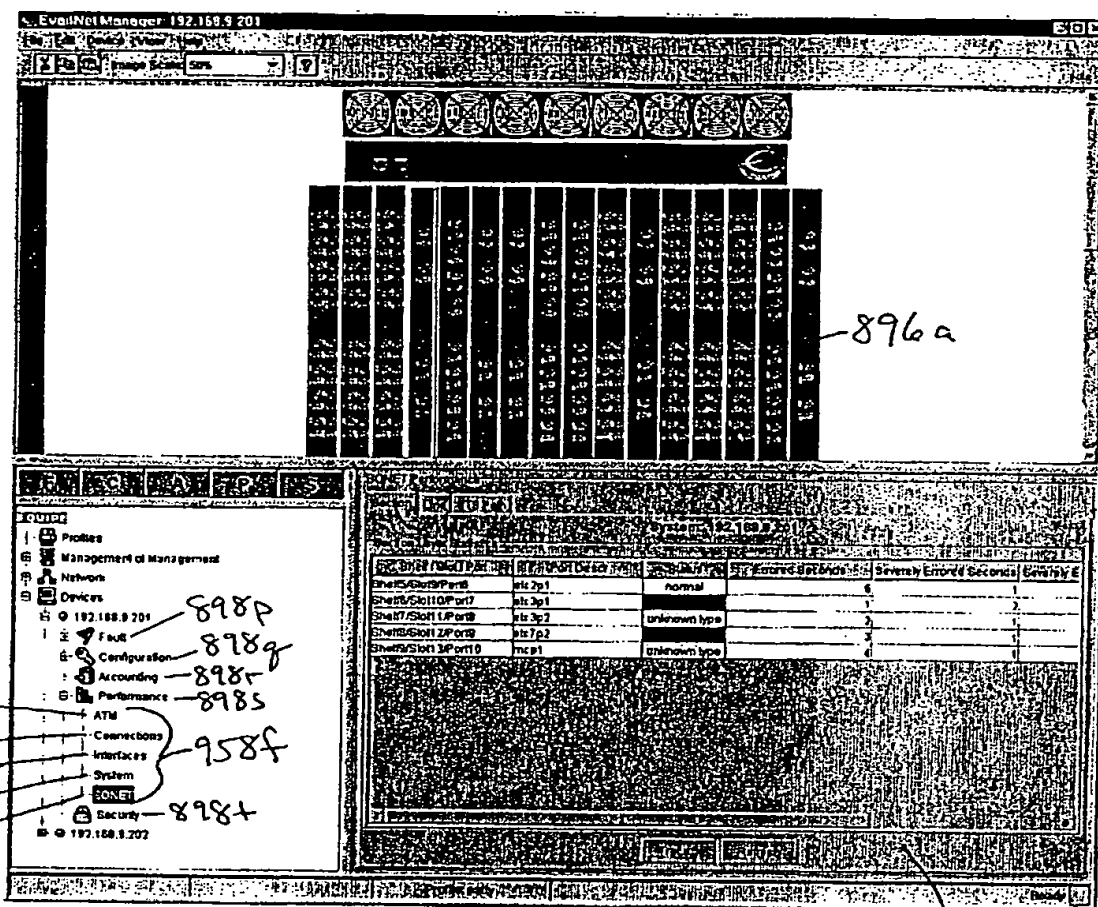


Fig. 7y

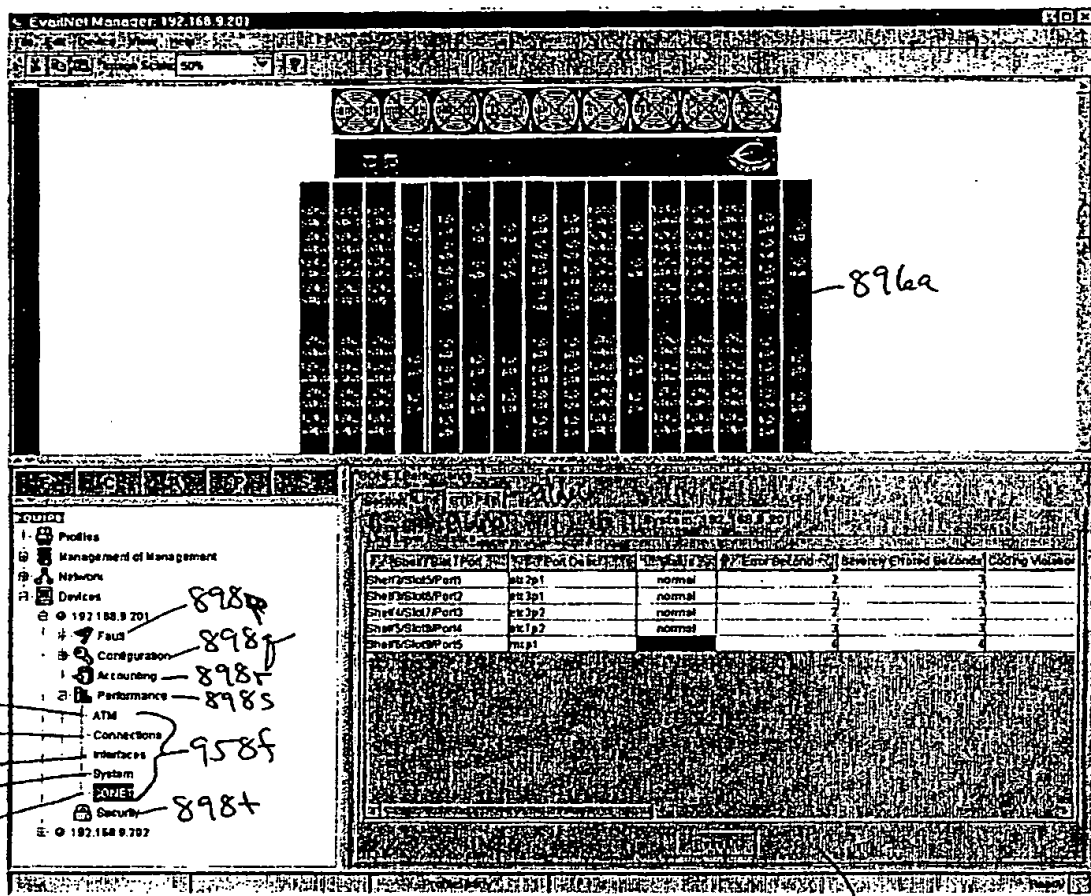
895



897

Fig. 8a

895



896a

897

Fig. 86

895

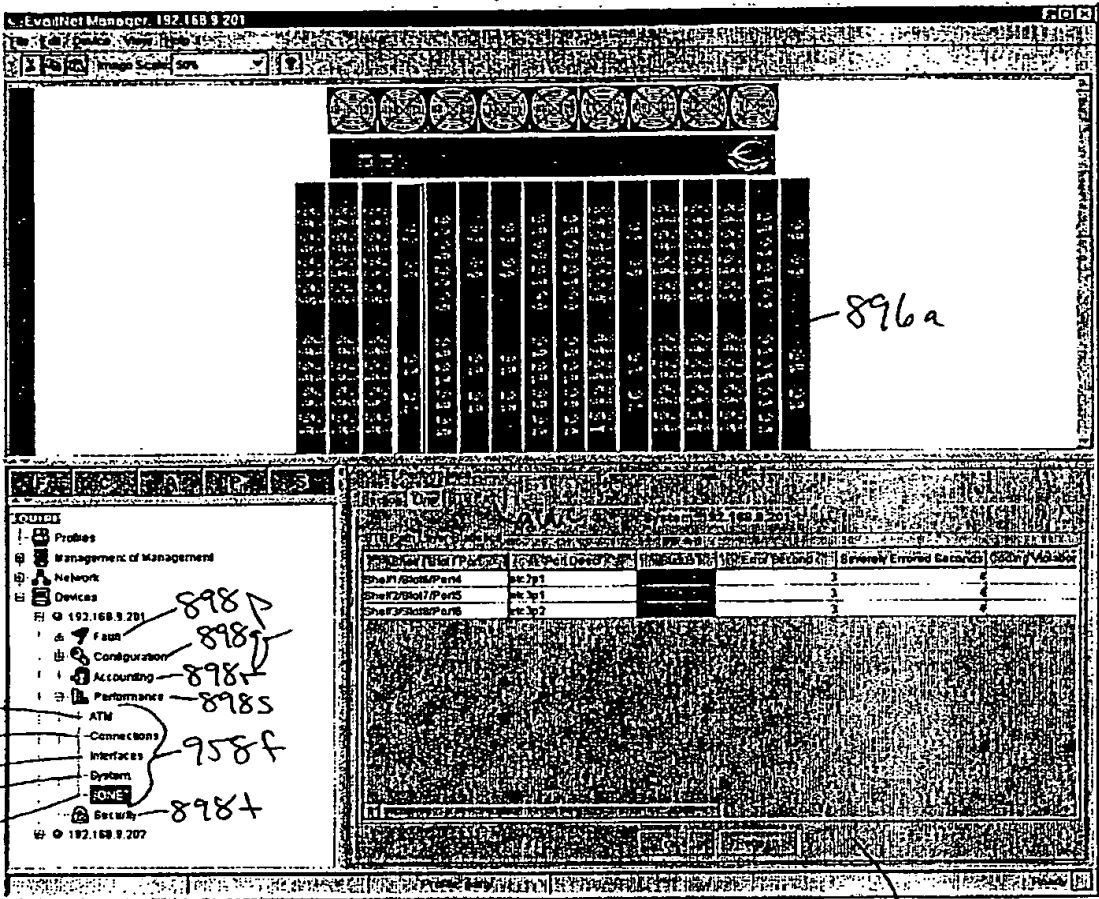


Fig. 8c

895

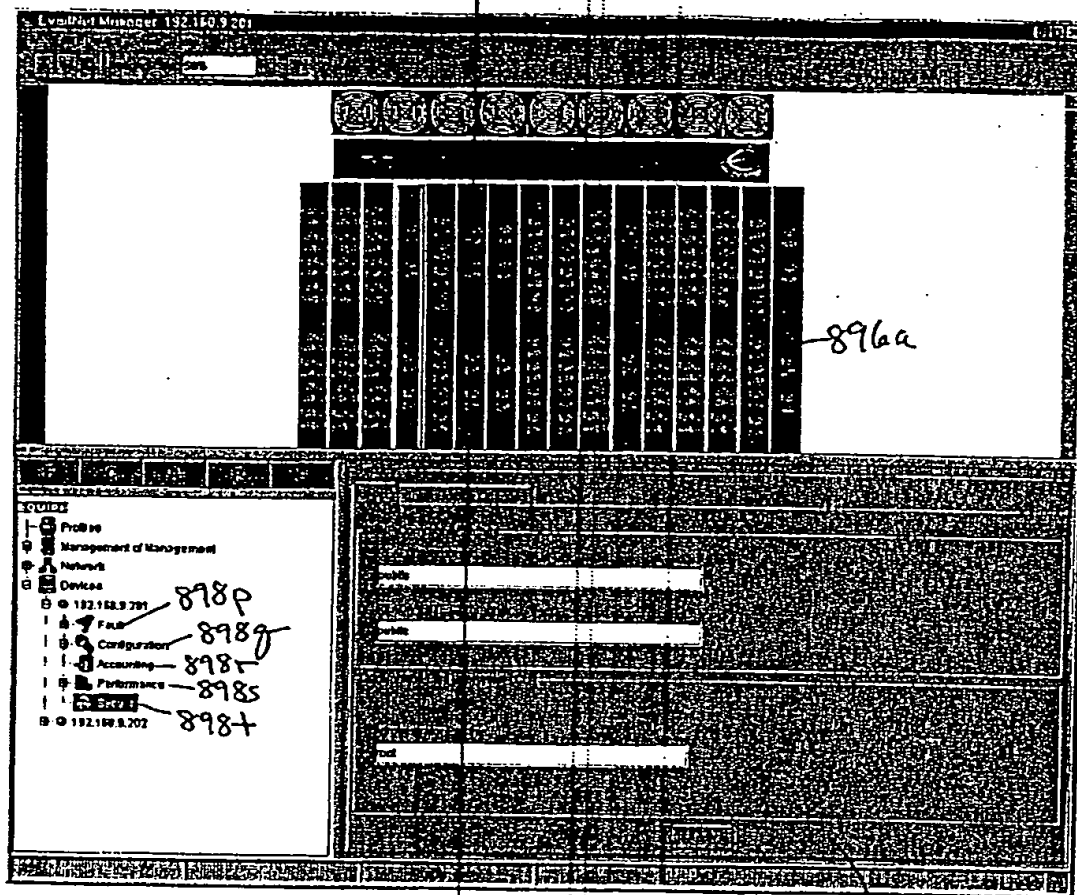
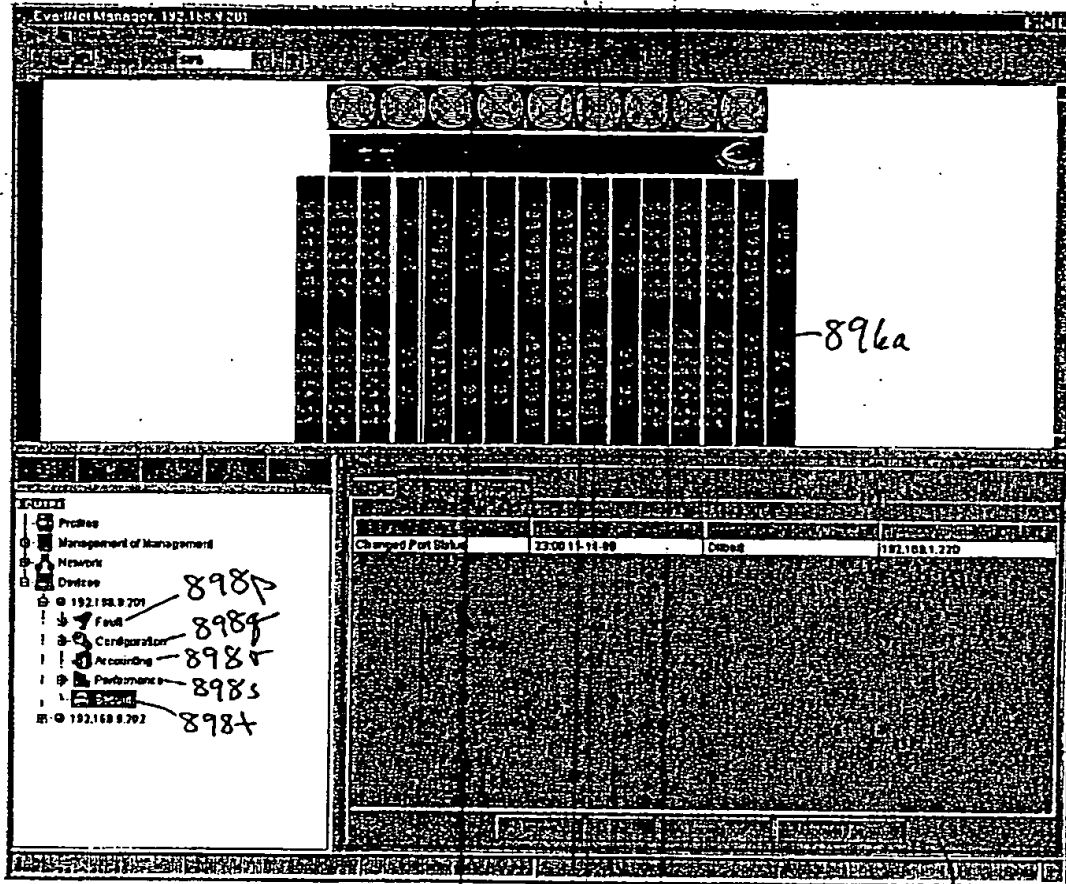


Fig. 8d



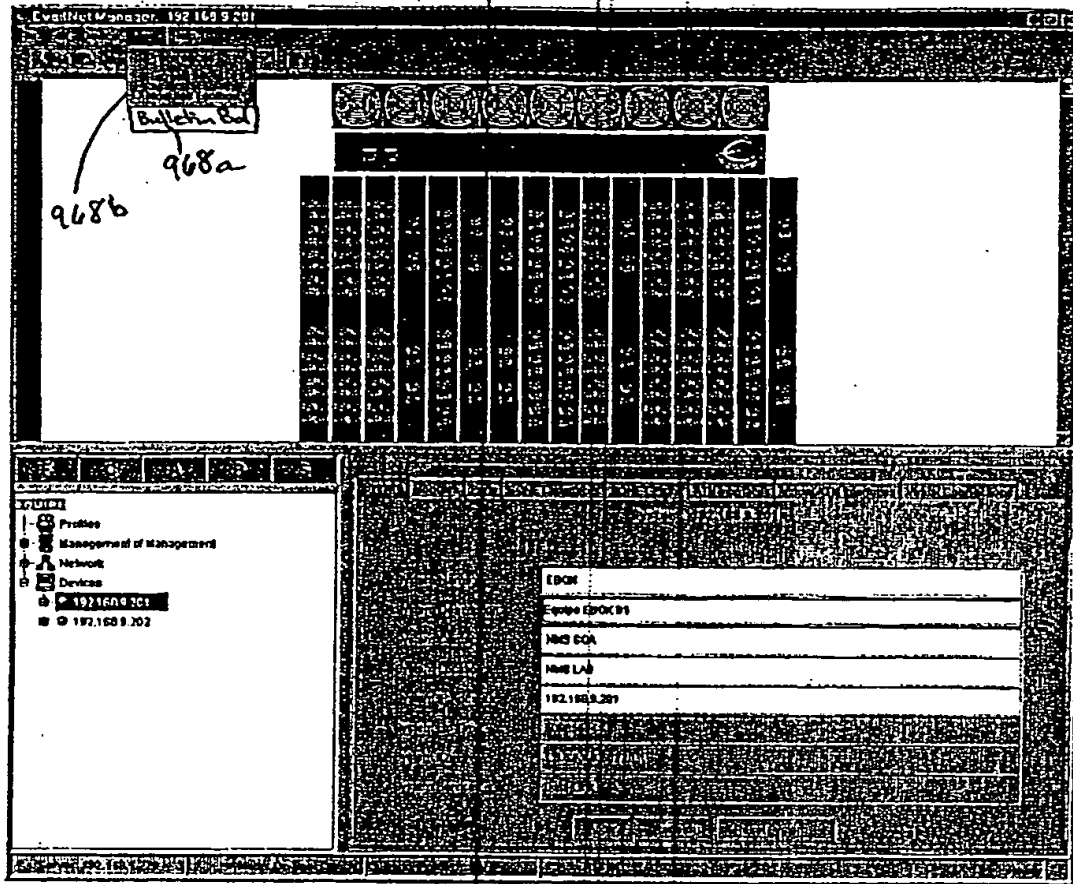


Fig. 9a

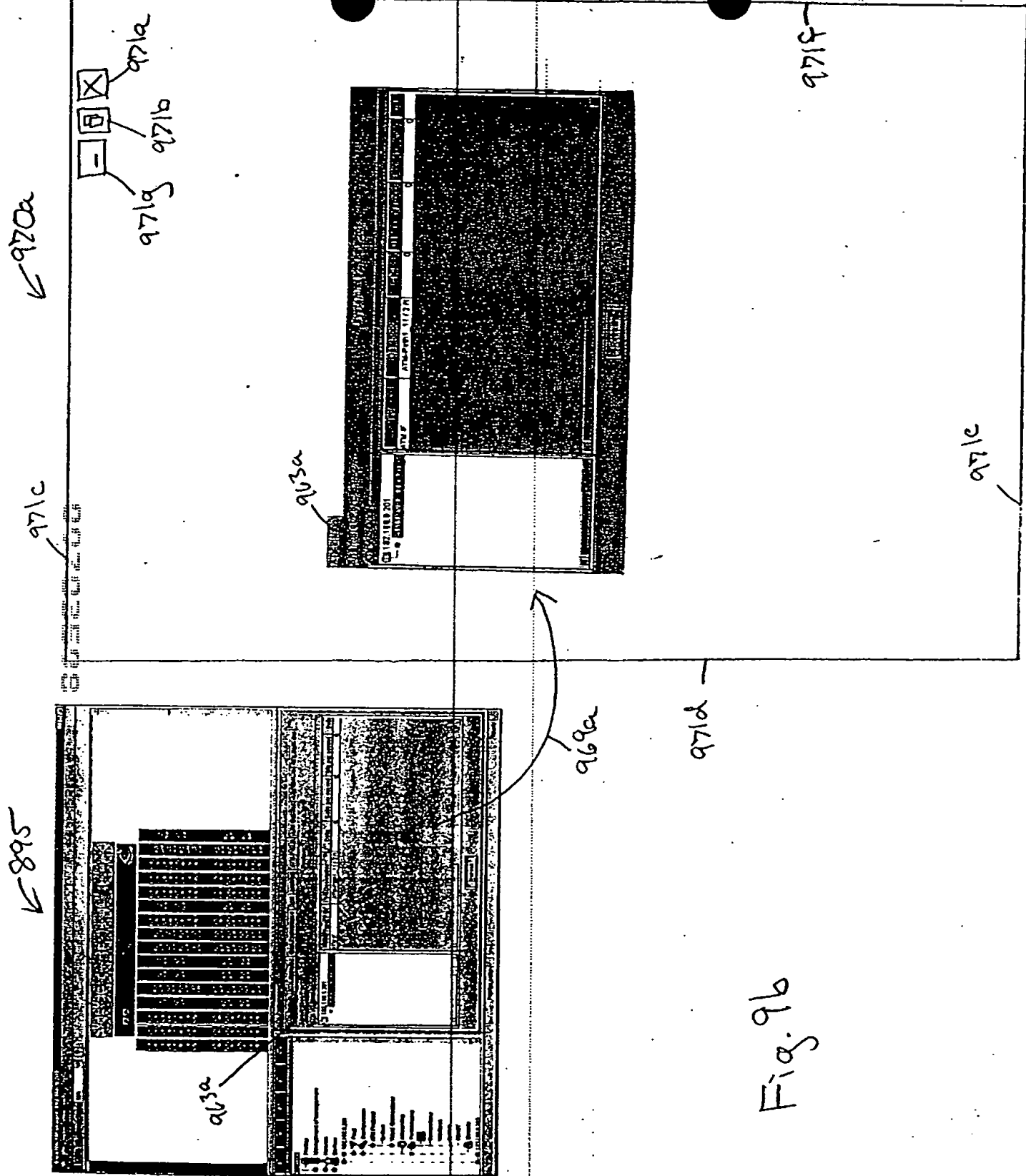
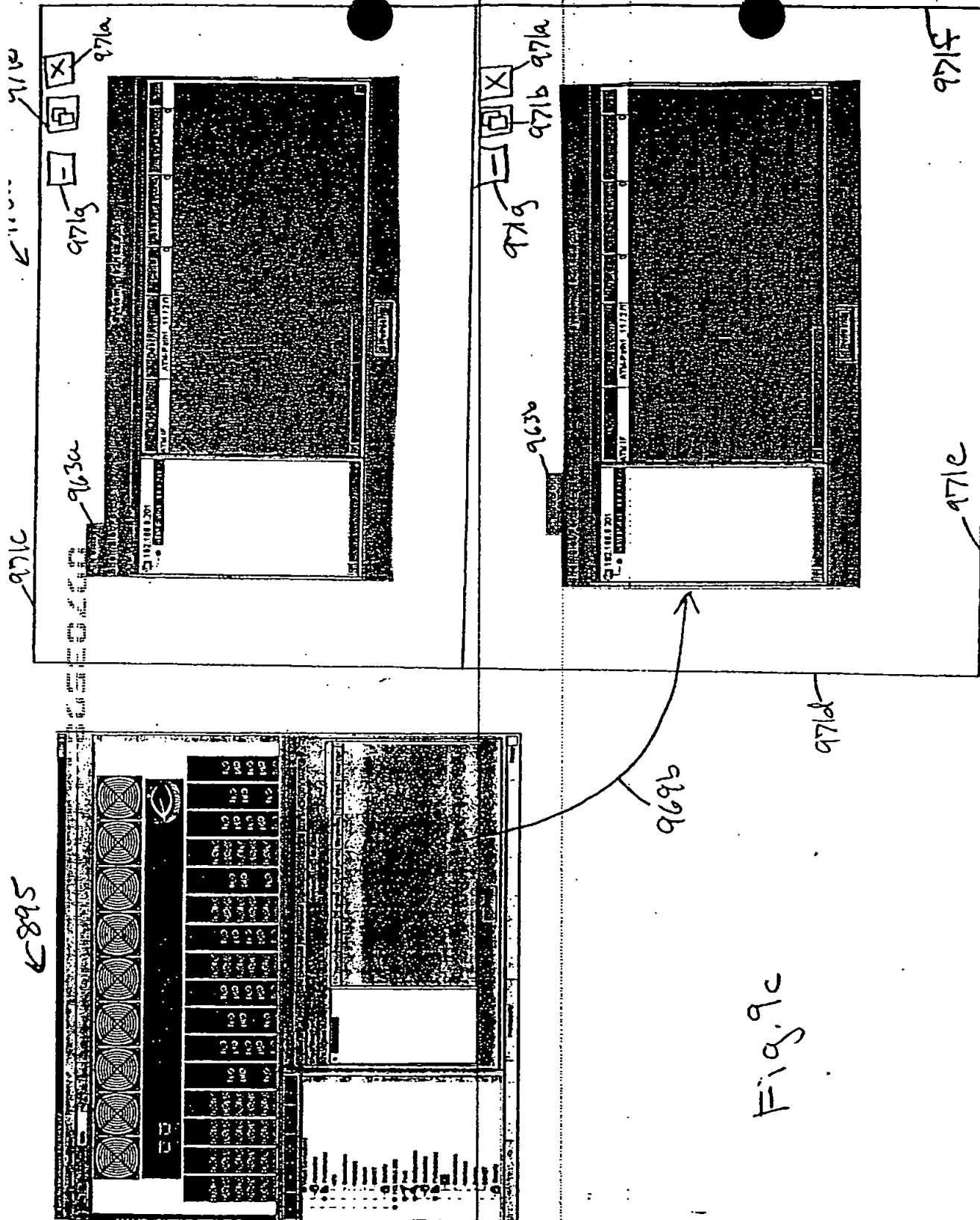
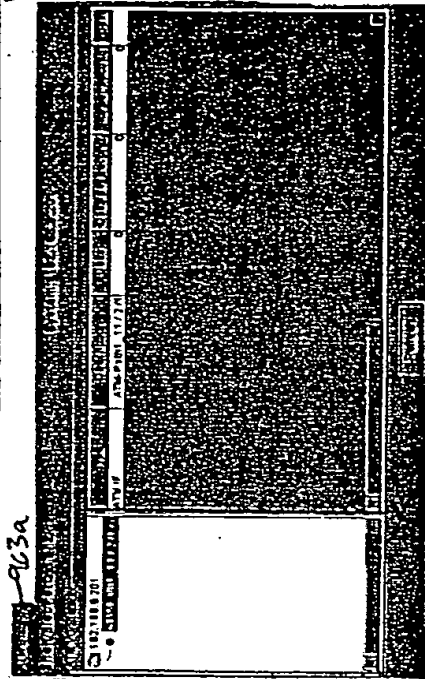


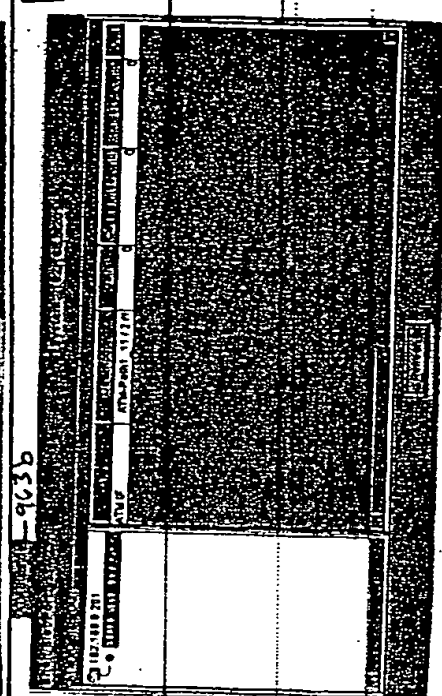
Fig. 9b



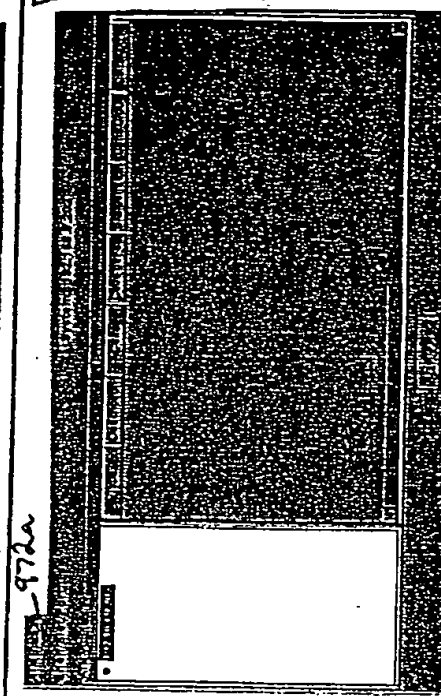
84109



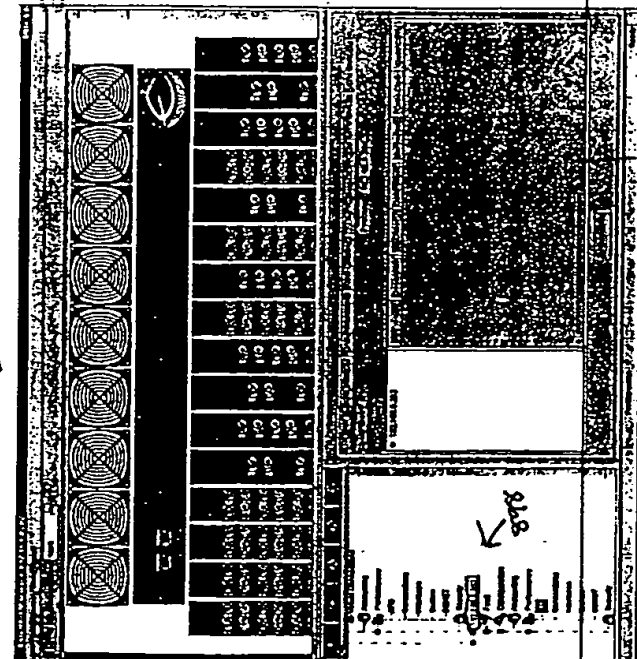
963b



972a



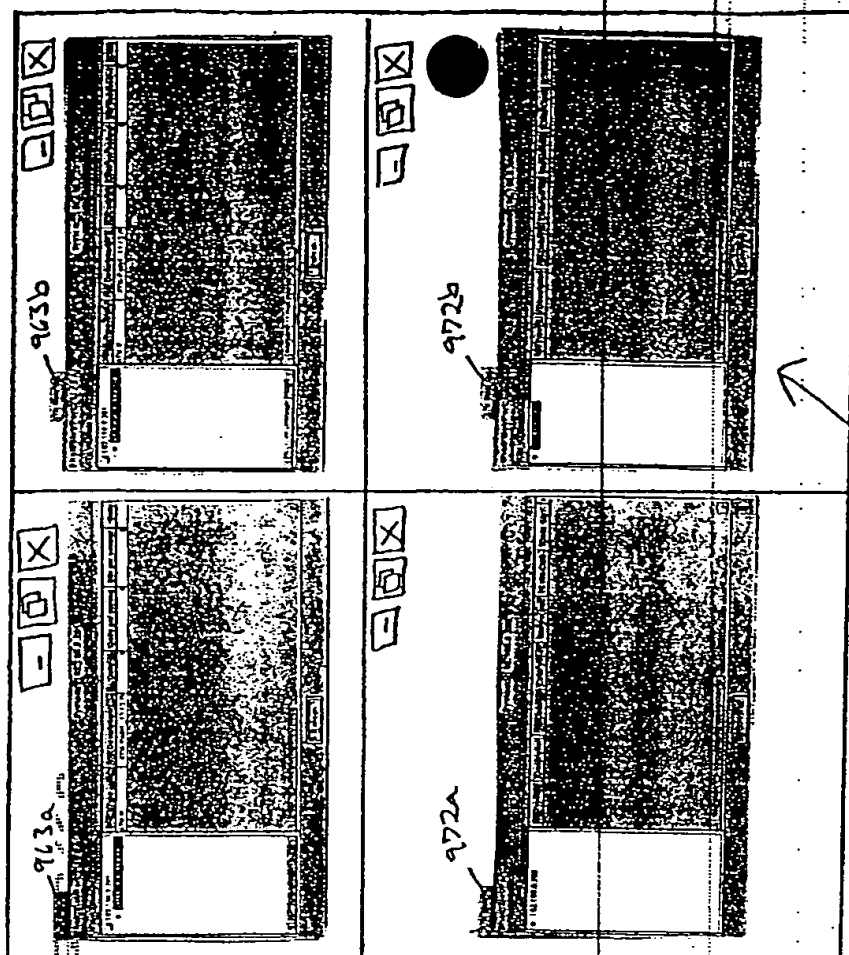
895



969c

Fig. 9d

← 110a



← 895

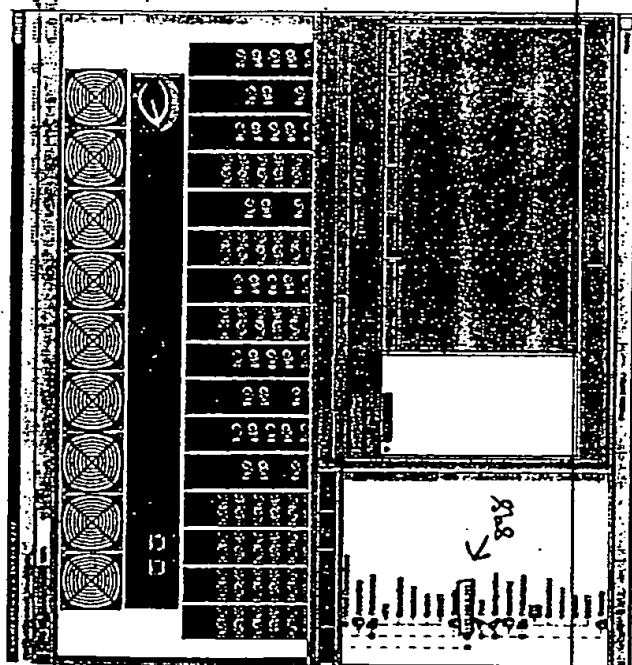


Fig. 9e

969d

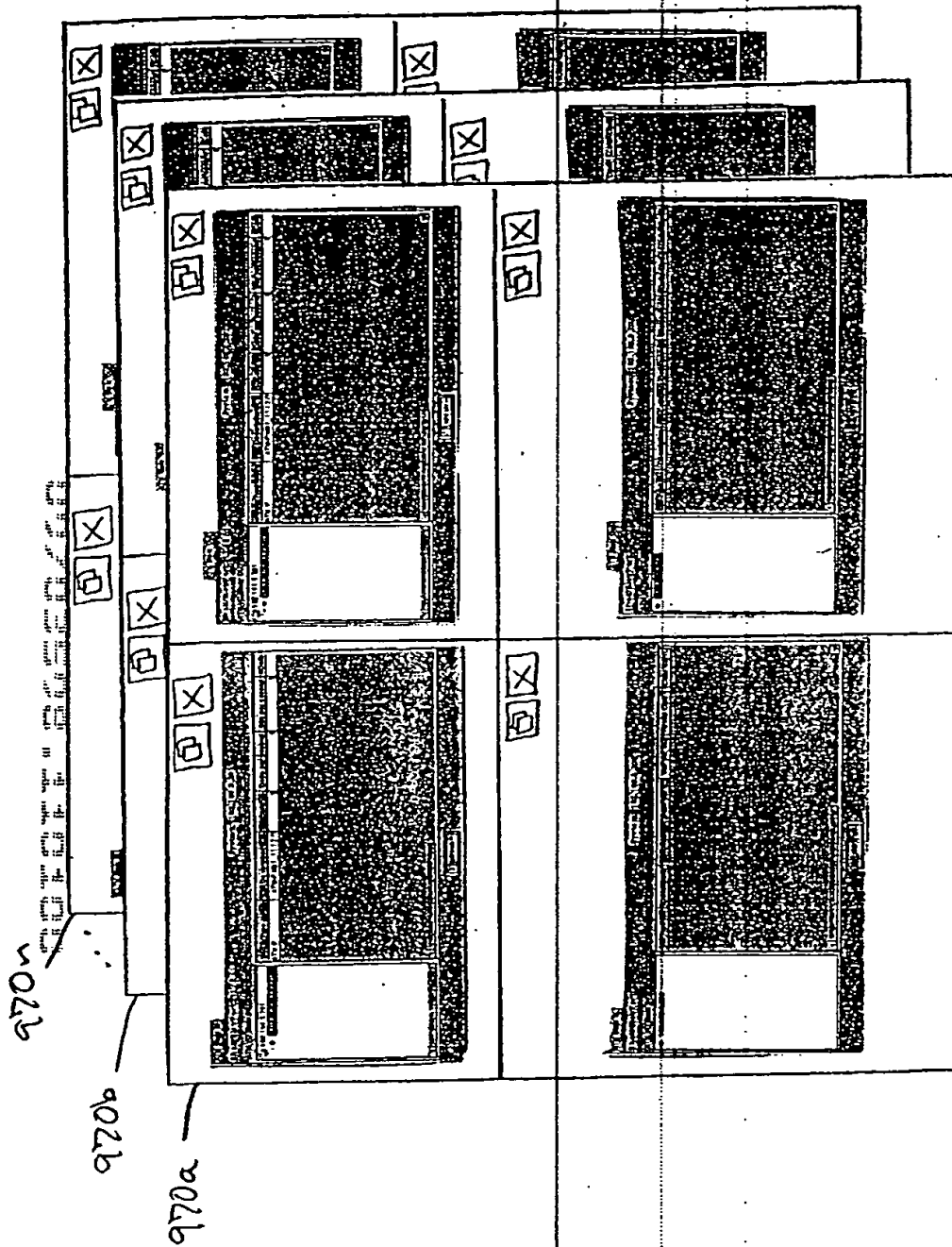
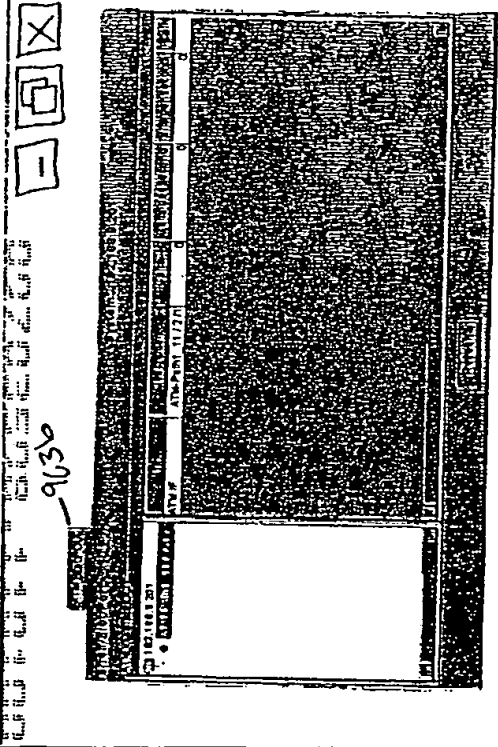
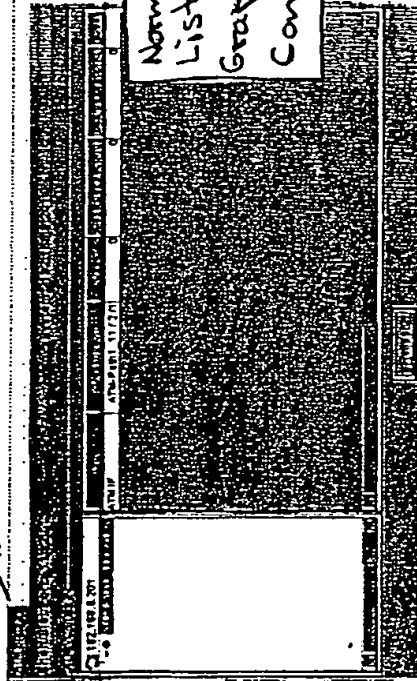


Fig. 94

970a



963a

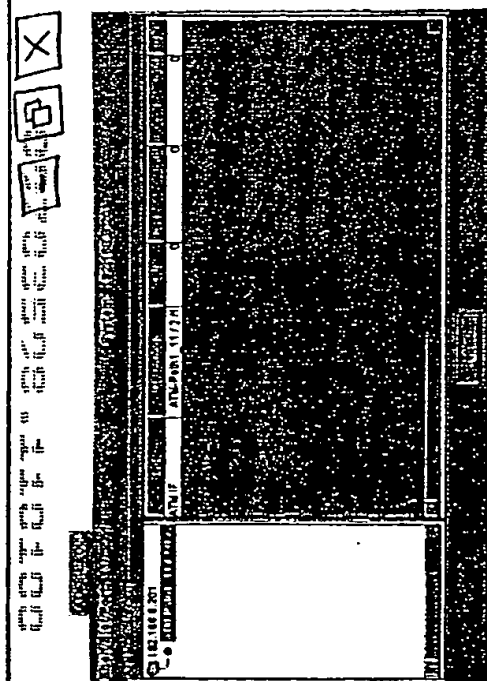


973

Normal
List
Graph
Config

Fig. 9g

970a



System: 192.168.9.201

Type: ATM IF

Description: ATM-Path 1_11/21

Cells:

Cells Per Second:

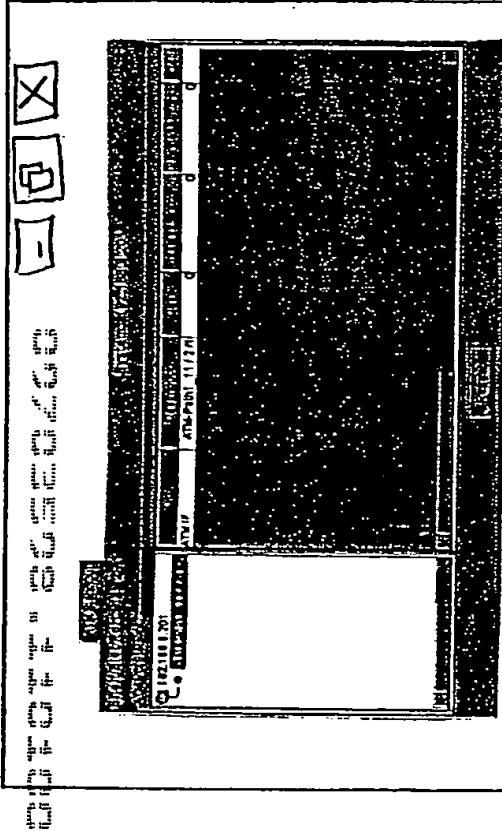
Bits Per Second:

::

974a

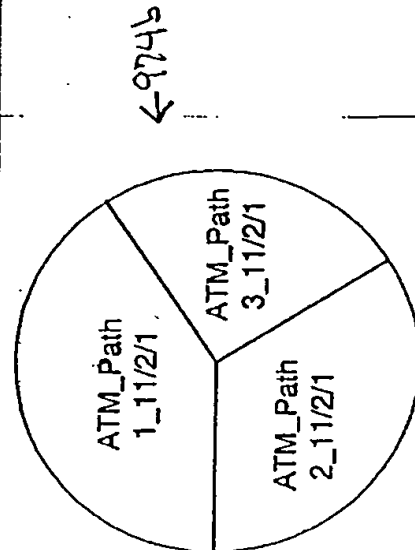
Fig. 9/1h

↙ 110a



[-] [] [X]

Cells Per Second



← 974b

Fig. 9i

✓ 7/0a

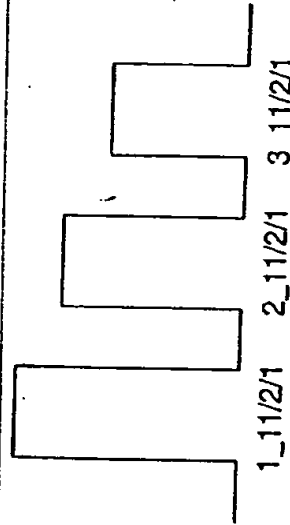
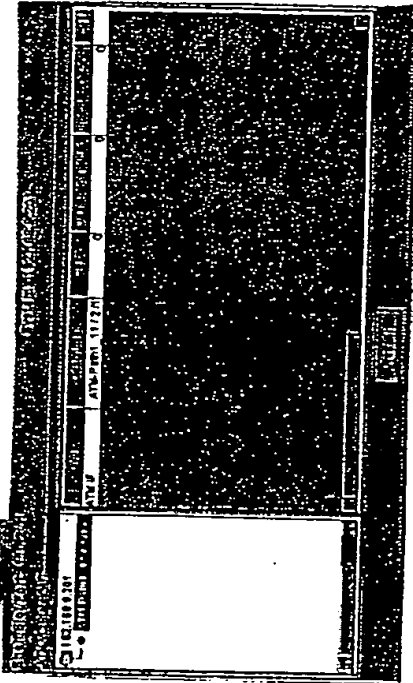
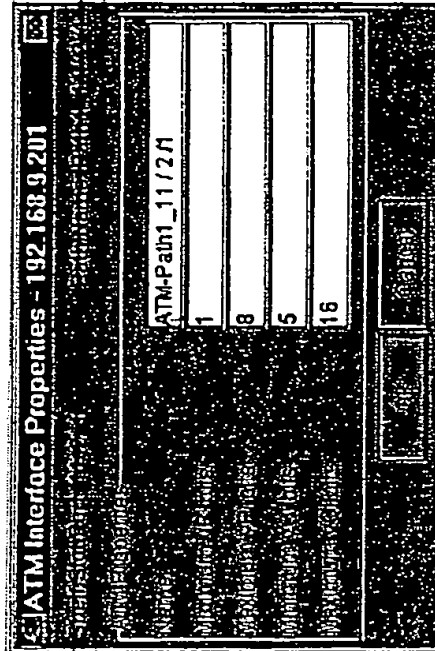
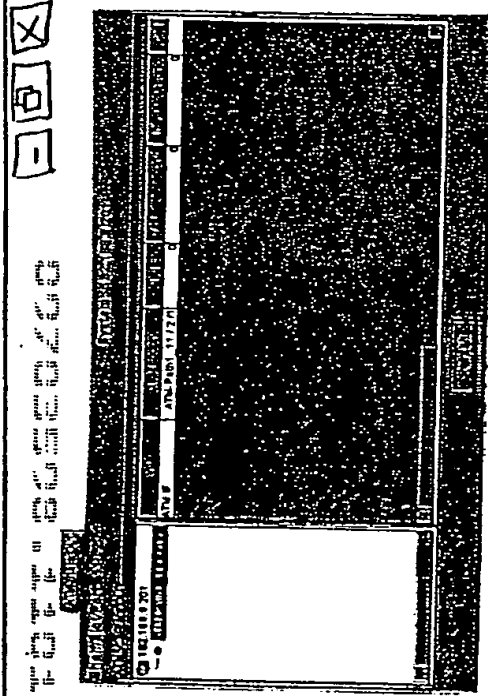


Fig. 9j

4/0a



9742

Fig. 9K

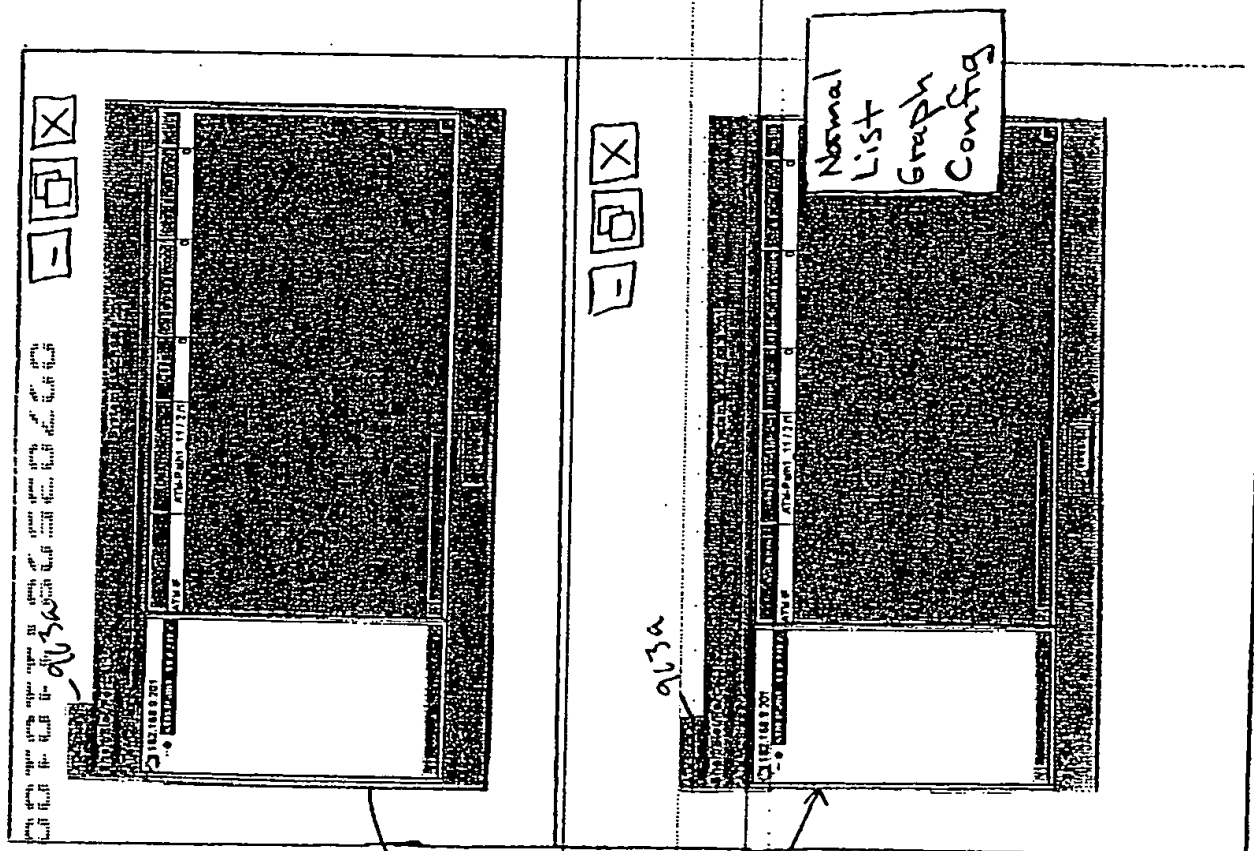


Fig. 91

8970a

System: 192.168.9.201

896a

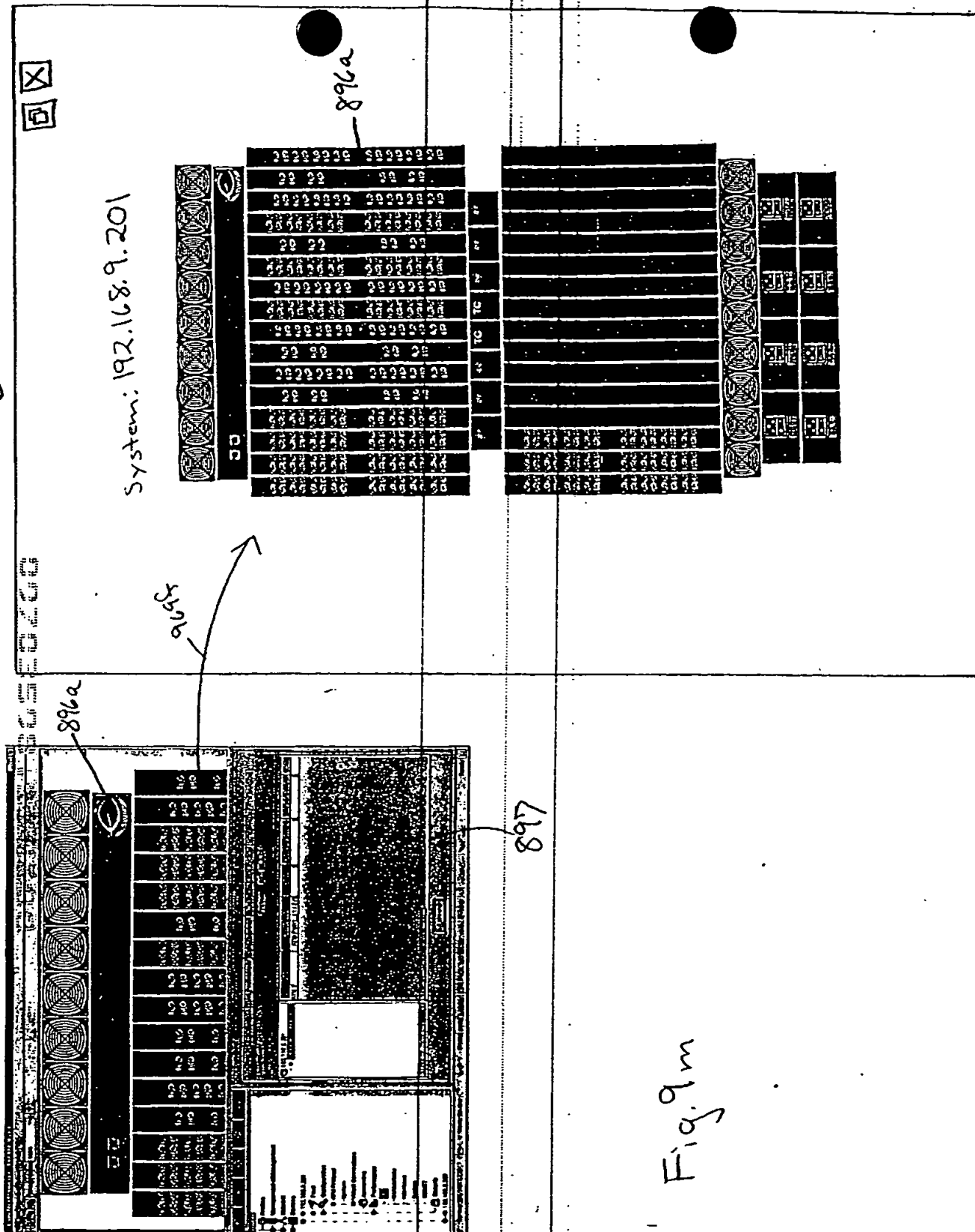
896a

896a

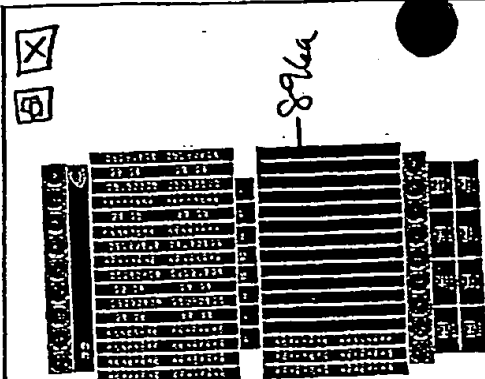
8995

897

Fig. 9m



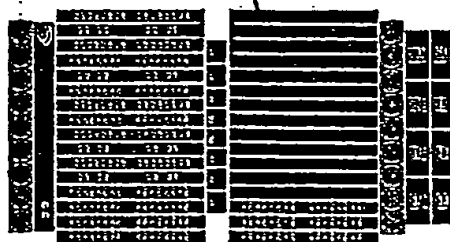
✓ 970a



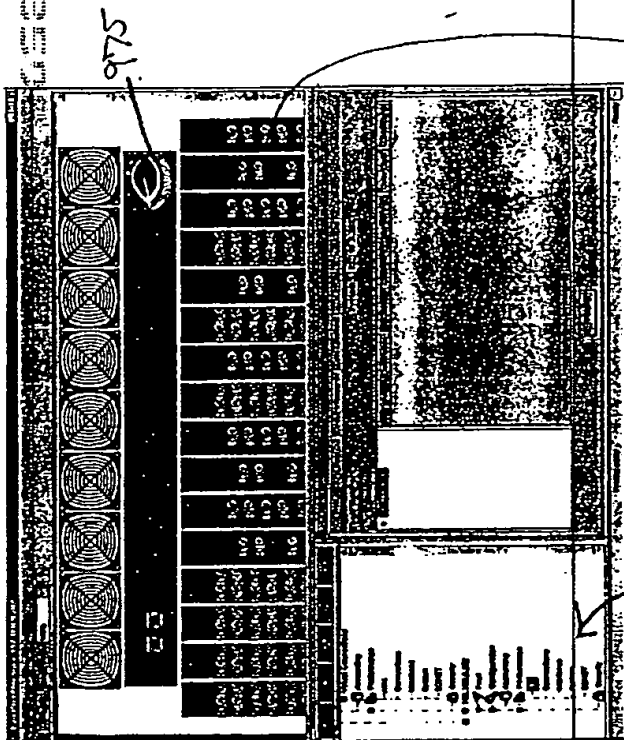
System:
192.168.9.201



System:
192.168.9.202



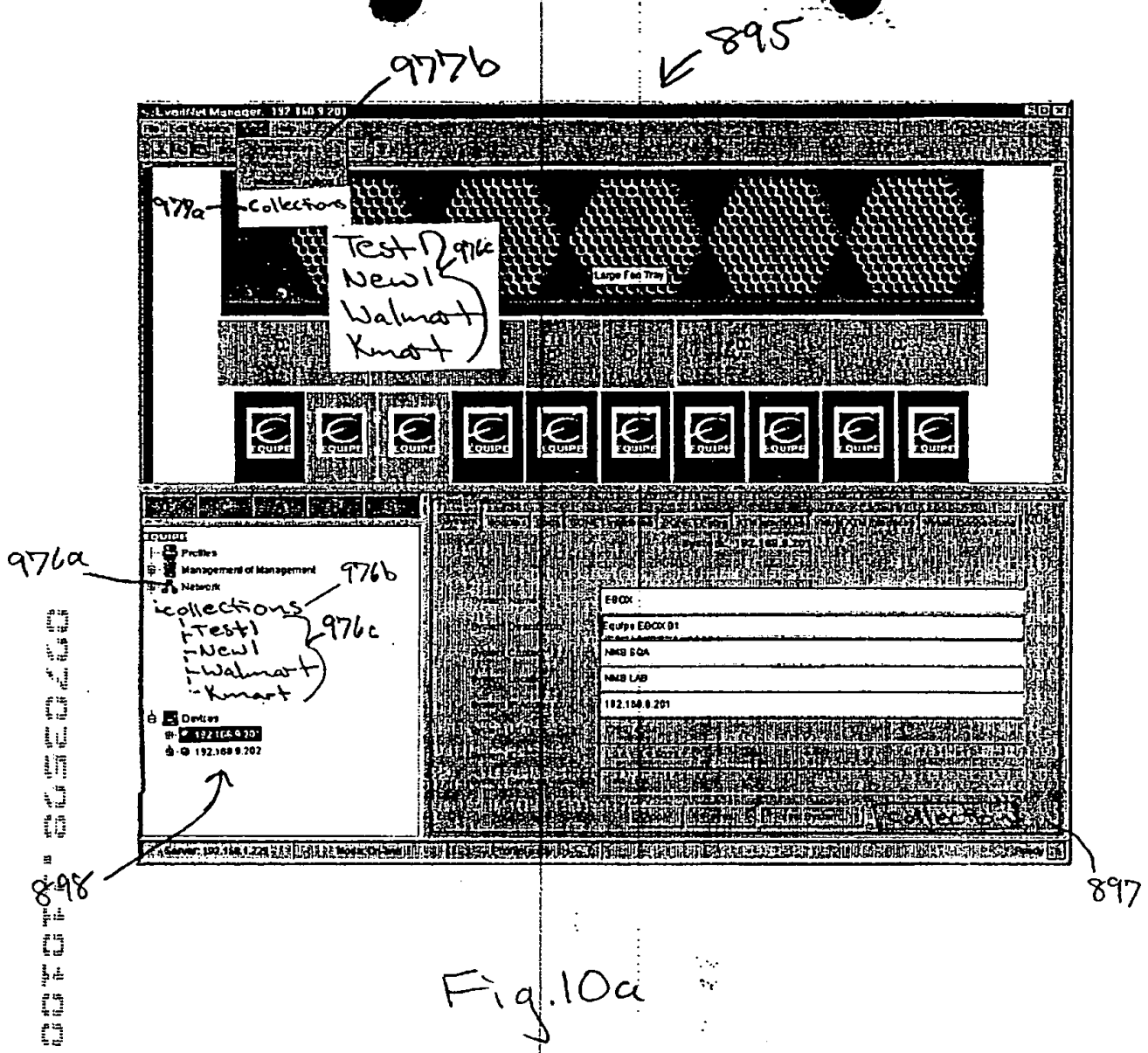
✓ 895



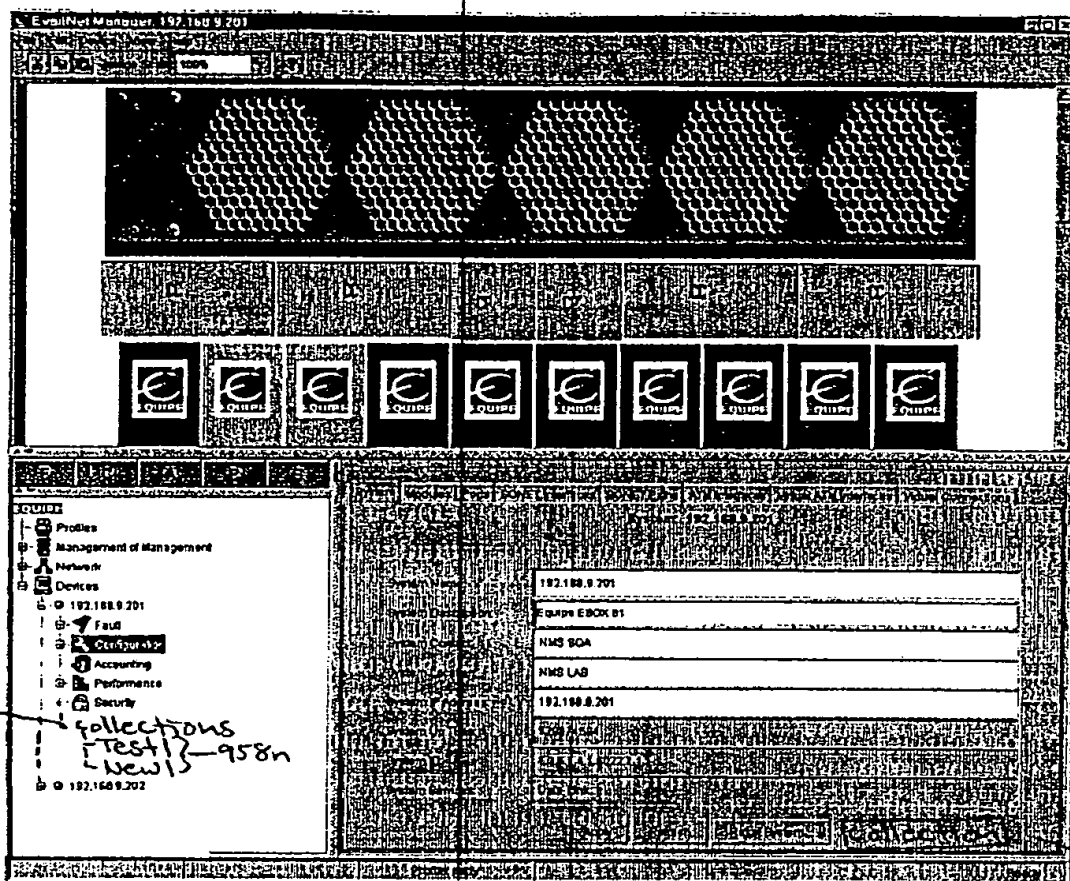
898

9699

Fig. 9n



895



958m

897

Fig. 106

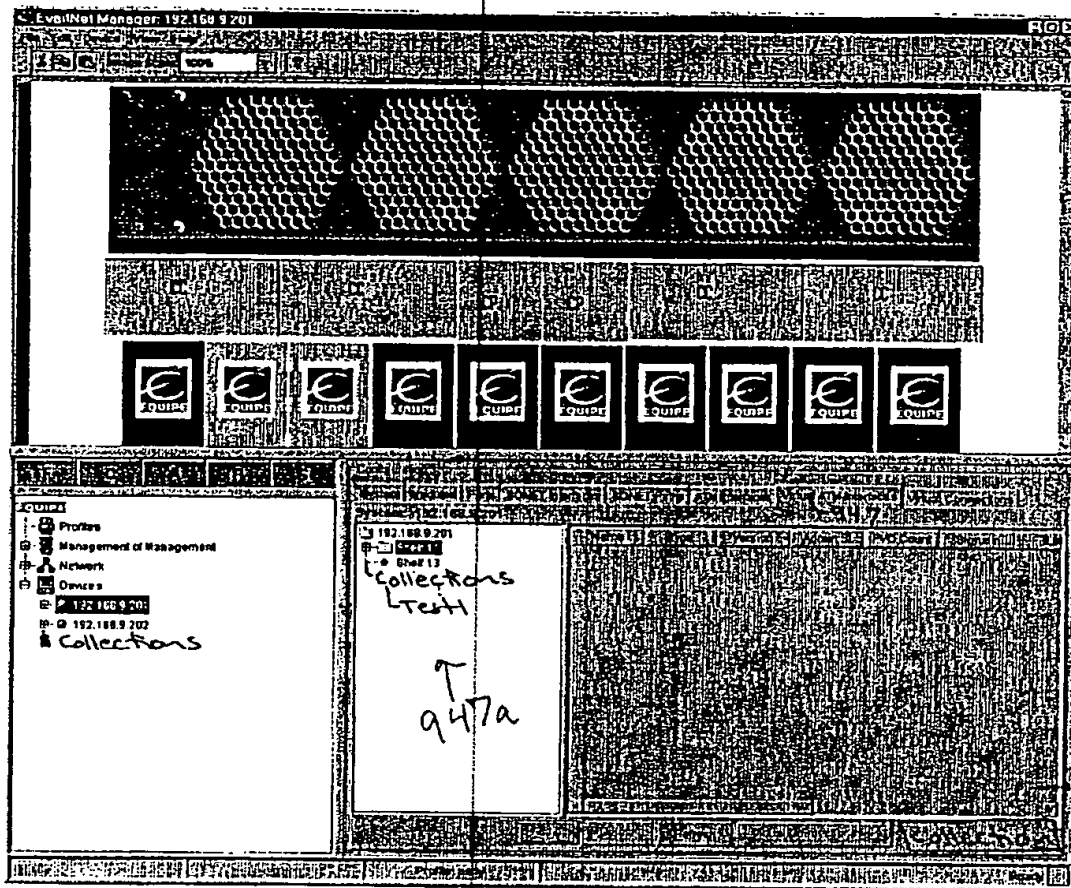


Fig. 10c

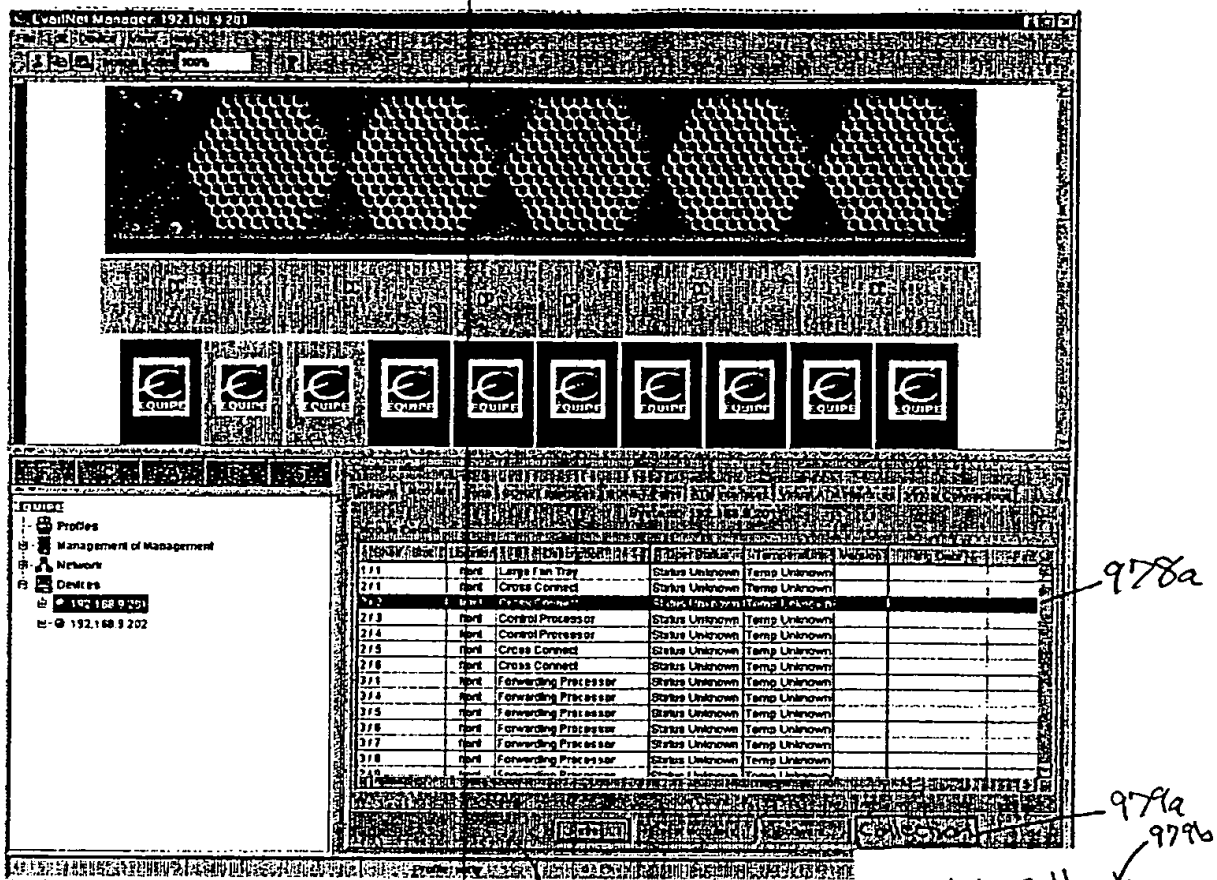
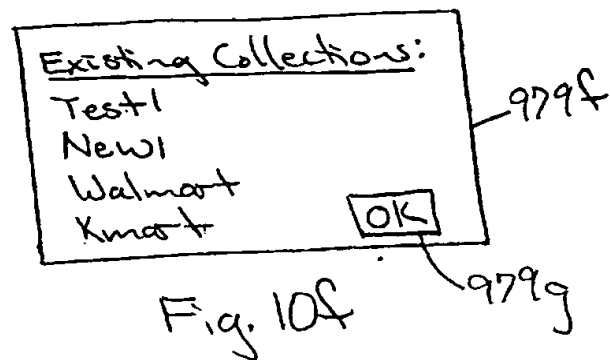
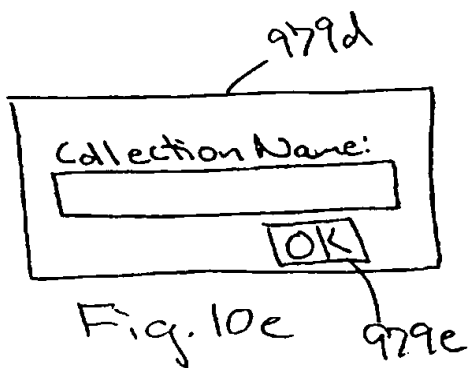
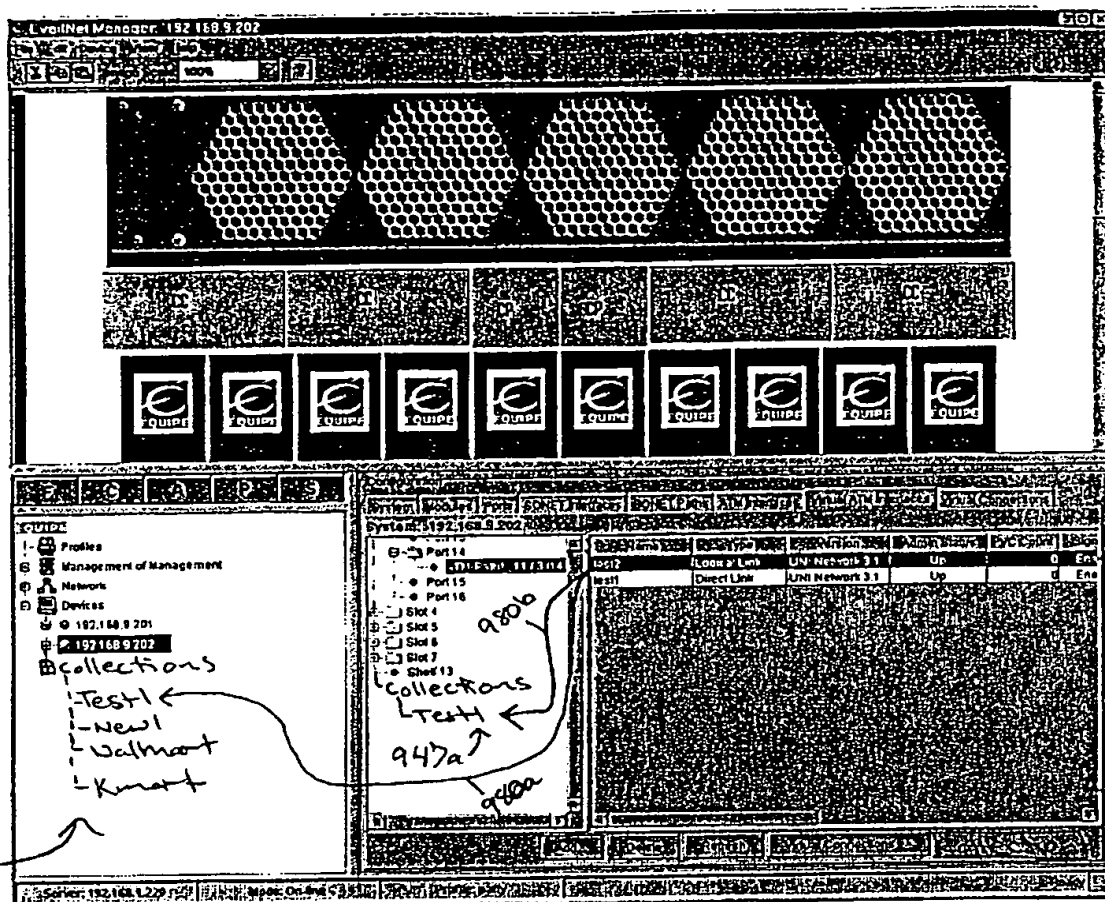


Fig. 10d



895



9786

897

[illegible]

Fig. 10g

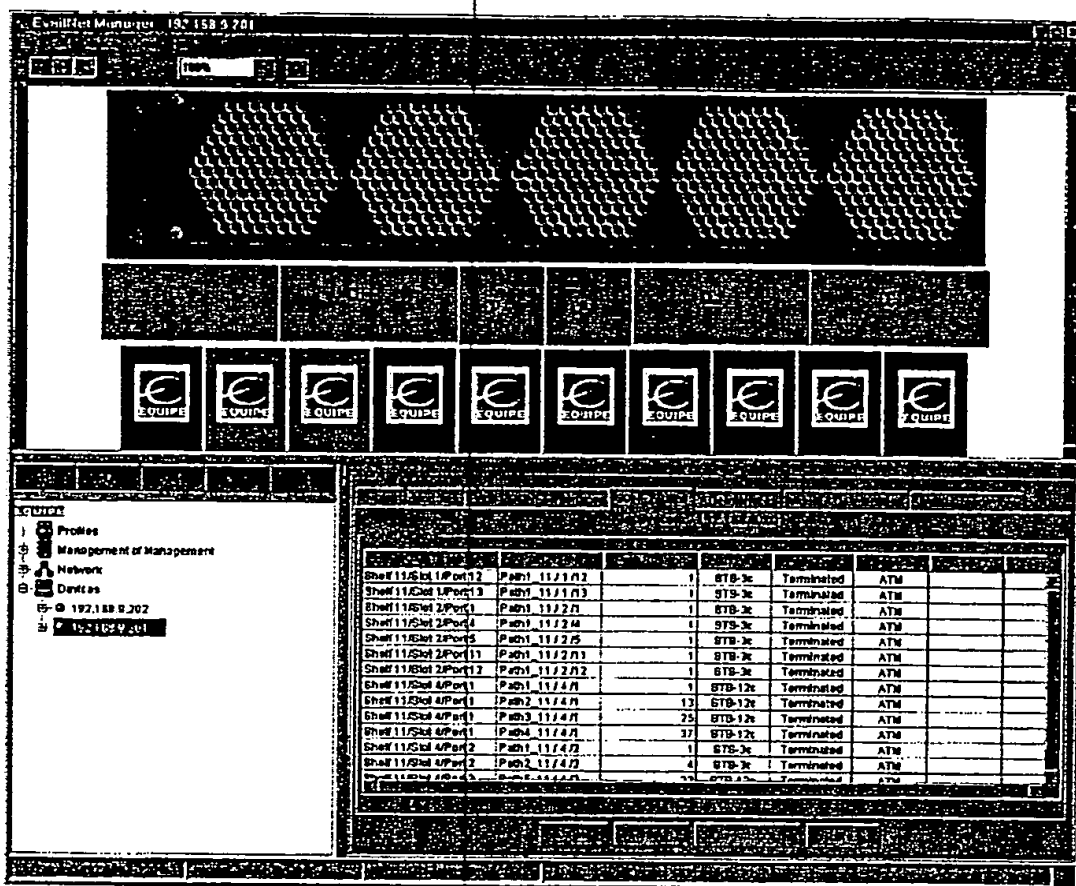


Fig. 10h

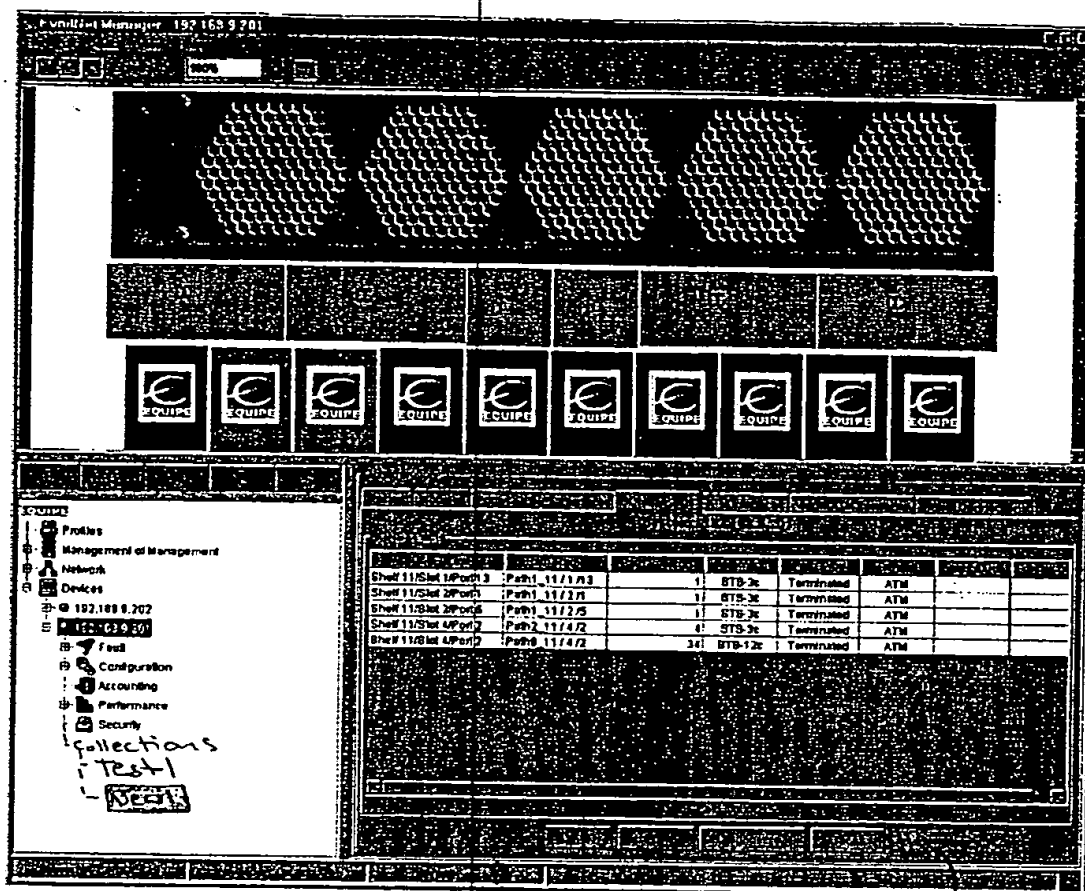


Fig. 10i

982

904

Name	Description	Security	Level	Frame	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.37	
Wayne	Wayne Arnes	Provisioner	15	TeamServer1:192.168.1.32	TeamServer2:192.168.1.37	

905

906

Fig. 11a

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Retry	Timeout	
192.168.9.202	public	equipe	3	5	908g
192.168.9.205	public	equipe	3	5	
192.168.9.216	public	equipe	3	5	

908r 908s 908t

OK Cancel

Fig. 11b

Fig. 11c

General Policies Servers **Devices**

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel

9084

General Policies Servers **Devices**

Device	READ	READWRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

Add Delete

OK Cancel

9084

Fig. 11d

Fig. 11e

General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

Customer Name: Equipe

Group Level Access: ▼

Password: *****

Confirm Password: *****

OK Cancel

908+

General Policies Servers Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

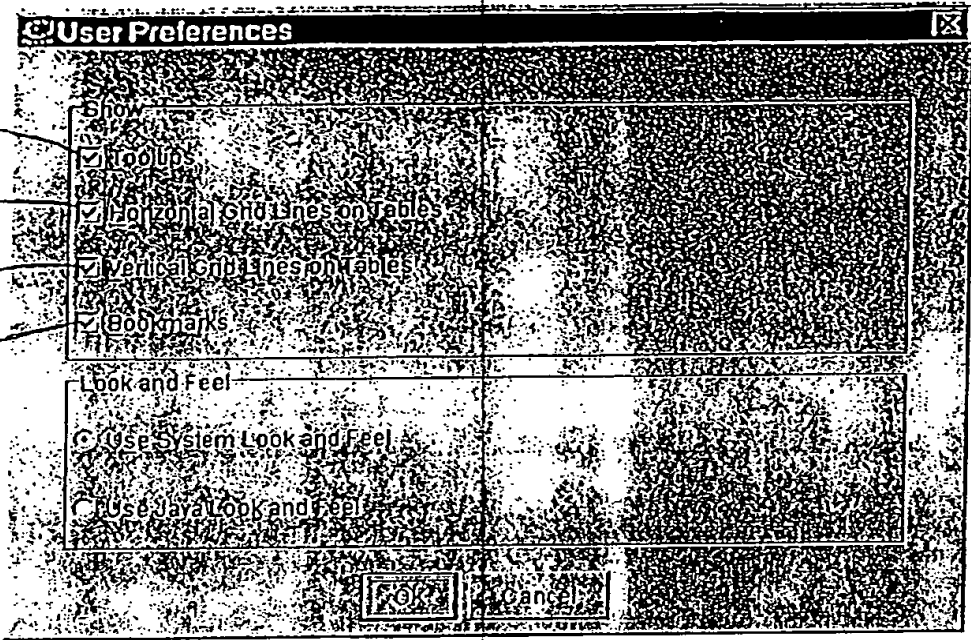
User Session Timeout: 15 Minutes

OK Cancel

908+

Fig. 11f

904



910a
910b
910c
910d

910a
910b
910c
910d

Fig. 11g

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Relay	Timeout	
192.168.9.202	public	equipe	3	5	
Group List					
19	Walmart-East				▲
10	Walmart-West				
	Kmart 1				
	sears-northeast				▼

908g

1000a

1000

908p

908q

908r

908s

Fig. 11h

Fig. 11i

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

11 / 8 / 5 Path1 11 / 8 / 5 1 STS-12c Terminated ATM

1002a

1002d

1002b

1002c

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

Path Name	Path ID	Port ID	Path Type	Port Type	Port ID	Port Type	Port ID
11 / 8 / 5 Path1 11 / 8 / 5	1	STS-3c	Termin...	ATM			
11 / 8 / 5 Path2 11 / 8 / 5	4	STS-3c	Termin...	ATM			
11 / 8 / 5 Path3 11 / 8 / 5	7	STS-3c	Termin...	ATM			
11 / 8 / 5 Path4 11 / 8 / 5	10	STS-3c	Termin...	ATM			

1002a

1002d

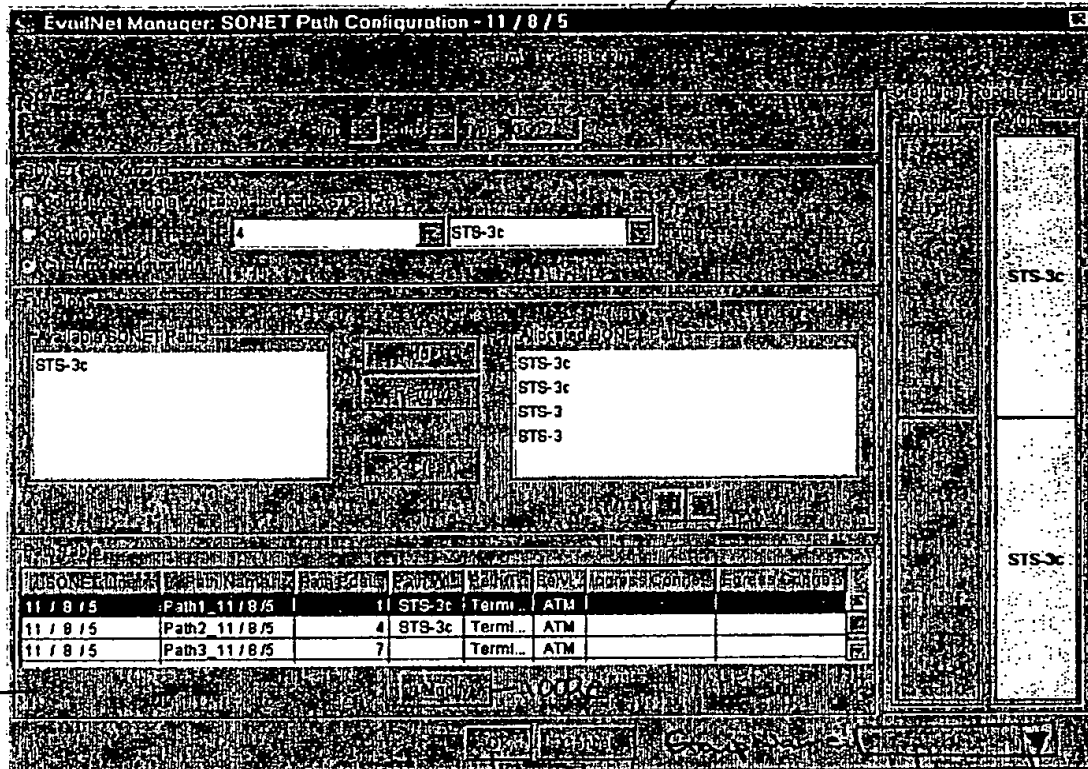
1002b

1002c

Fig. 11j

Fig. 11K

1002

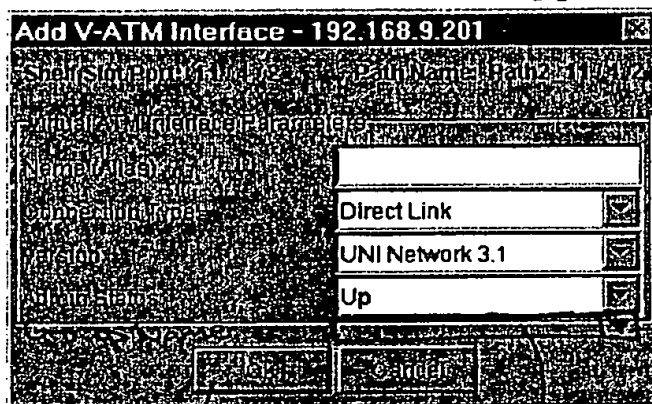


1002a

1002d

1002b

1002c



1004c Fig. 11n

Fig. 11L

Managed Resource Group Table

1008

1008b

1008a	LID	Managed Device PID	Group Name	1008c
	1145	1	Walmart-East	1008d
	⋮	⋮	⋮	

Fig. 11M

Managed Resource Table

1007

1007b

1007a	LID	Resource LID	Manage Resource Group LID	1007c
	4443	901	1145	
	⋮	⋮	⋮	

1006

ÉvailNet Manager: 192.168.9.201 - Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

Source: 192.168.9.201
Shelf 11
Slot 1
Slot 2
Slot 3
Slot 4
Port 1
Port 2
ATM-Path2_11/4/2

Destination: 192.168.9.201
Shelf 11
Shelf 13

Connection Parameters

Connection Name:

Admin Status: Up ☐

Group Name: Group:

End Point Parameters

IP: ☐ Use IPv6 Value

Port: ☐ Use IPv6 Value

Transmit Frame Description: ☒ Add Transmit Description

Receive Frame Description: ☒ Add Receive Description

☒ Use the same frame description for both Transmit and Receive

End Point Parameters

IP: ☐ Use IPv6 Value

Port: ☐ Use IPv6 Value

Transmit Frame Description: ☒ Add Transmit Description

Receive Frame Description: ☒ Add Receive Description

☒ Use the same frame description for both Transmit and Receive

Back Finish Cancel

1006a

1006b

1006c

Fig. 110

Fig. 11p

User Table

1010

LID	Username	Password	Group Level Access
			Provisioner
2012	Dave	Marble	
⋮	⋮	⋮	

1010a

1010b

1010c

1010d

1010e

Fig. 11q

User Managed Device Table

1012

LID	User LID	Host LID	Retry	Timeout
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

1012a

1012b

1012c

1012d

1012e

Fig. 11r

Administration Managed Device Table

1014

LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password
9046	192.168.9.202	1521			team 1	team 2	team 3
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

1014a

1014b

1014c

1014d

Fig. 11s

1013

1013a — Device Host: 192.168.1.202

1013b — Device Port: 1521

1013c — SNMP Retry:

1013d — SNMP Timeout:

1013e — Admin. Password:

1013f — Prov. Password:

1013g — Viewer Password:

1013h — Add

1013i — OK

Cancel

Delete

X

Fig. 11t

User Resource Group Map Table

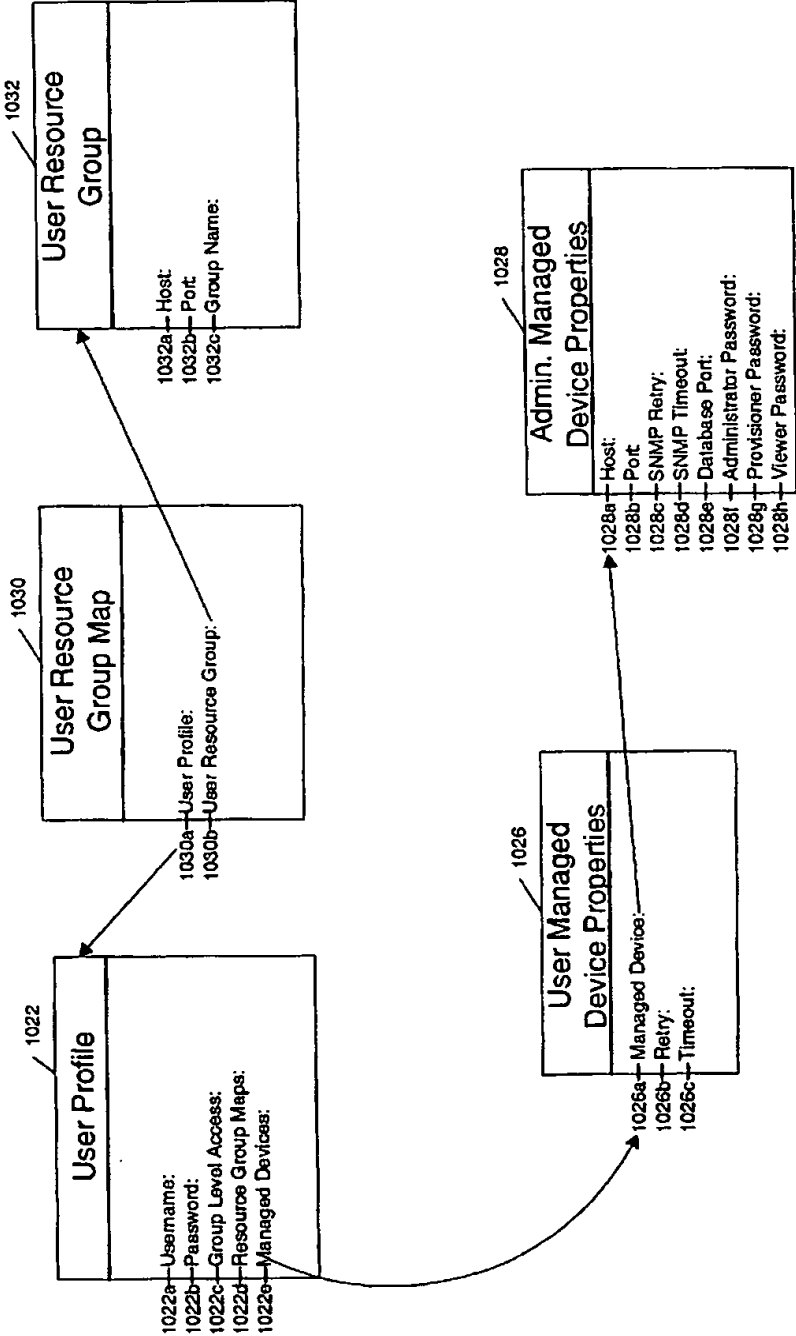
1016a	1016b		1016c
	LID	User LID	User Resource Group LID
	8086	2012	1024
	⋮	⋮	⋮

Fig. 11u

User Resource Group Table

1018d	1018a	1018b	1018c	1018
	LID	Host LID	Group Name	
	1024	9046	Walmart-East	
	⋮	⋮	⋮	

Fig. 11v



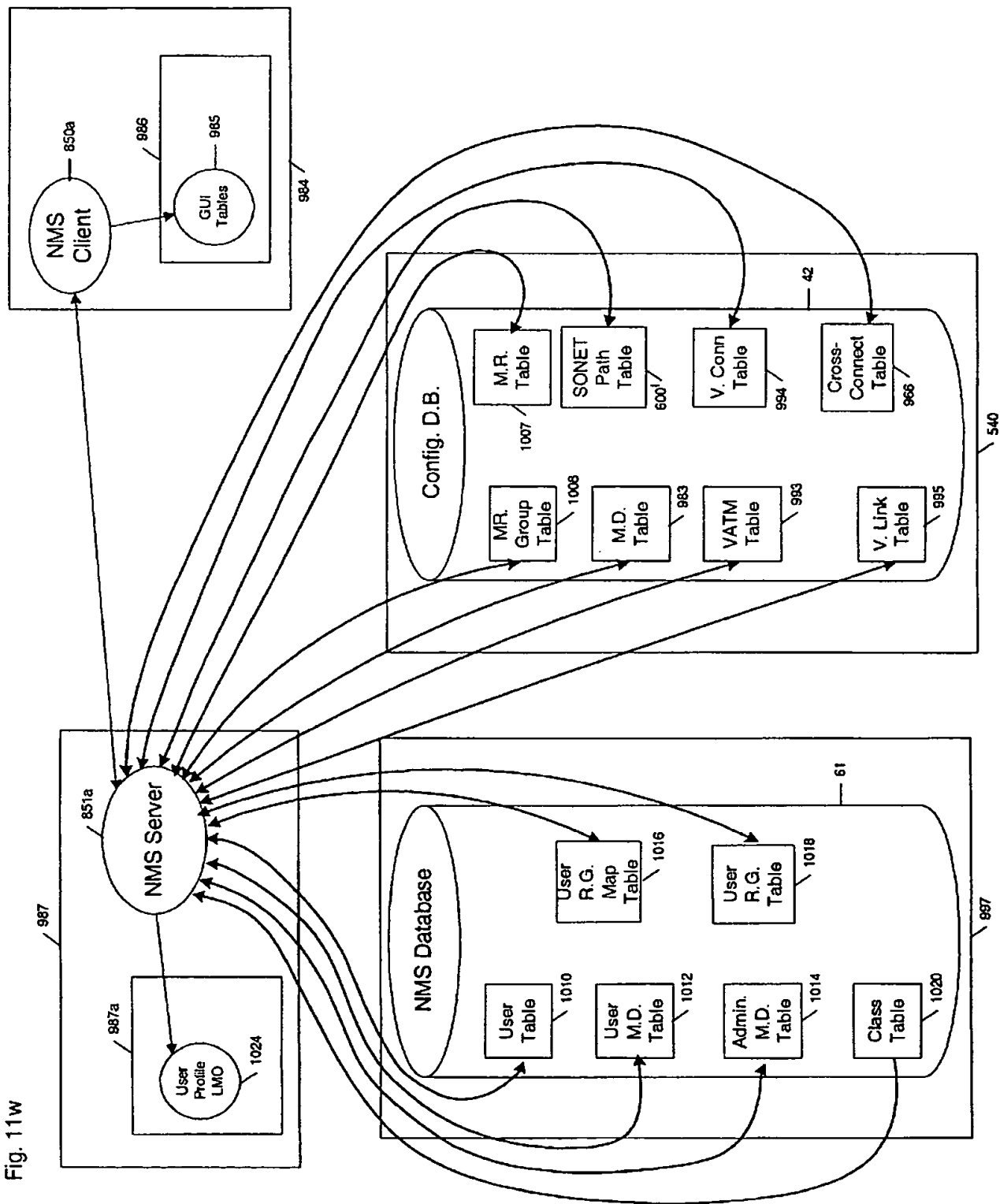
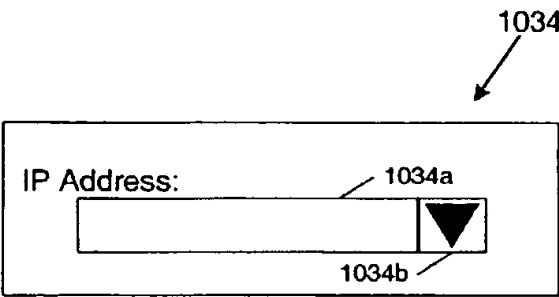
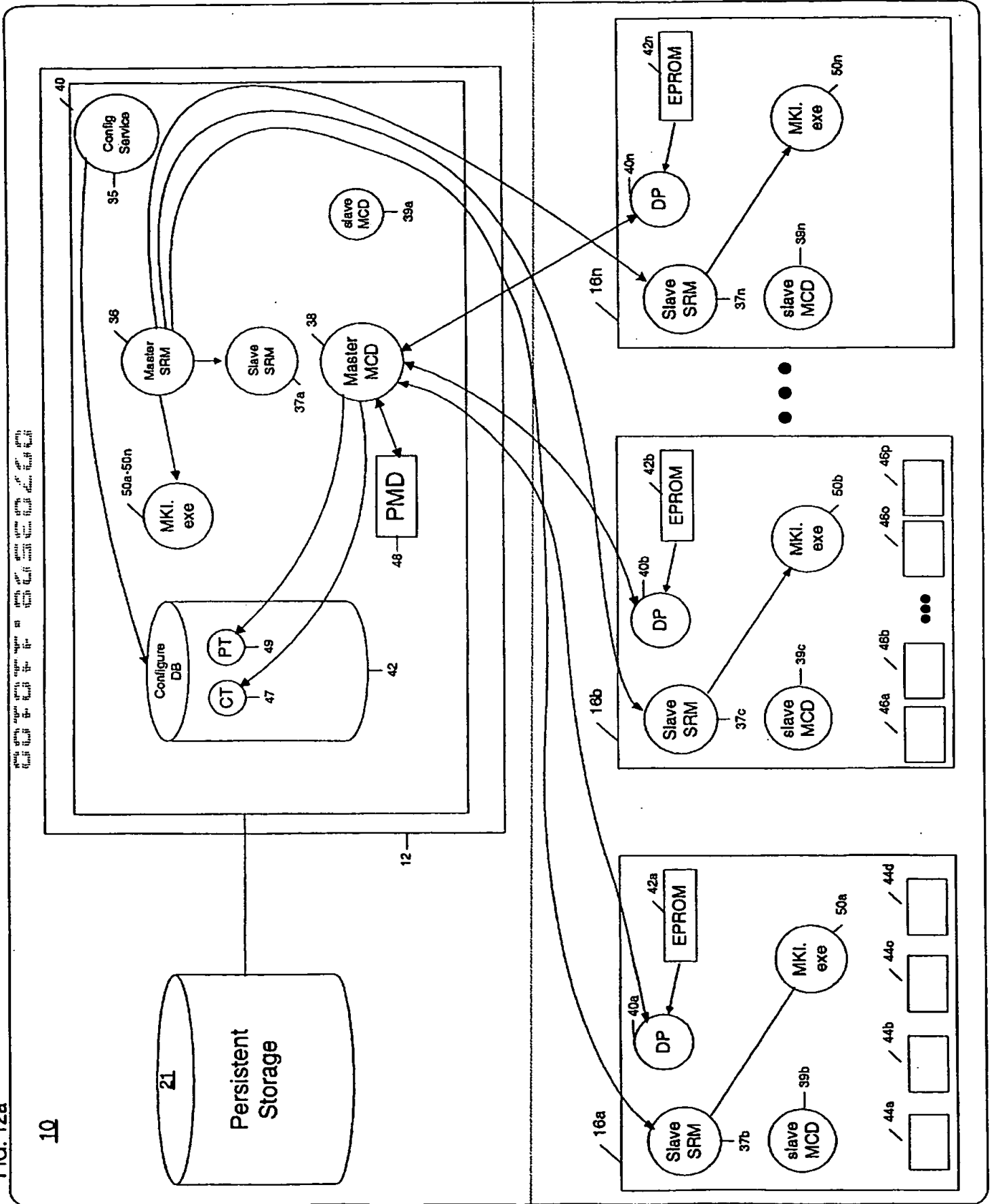


Fig. 11x



Equipe Communications

10



CARD TABLE

47			
PID	CWD TYPE	VERSION NO.	SLOT NO.
16 a — 500	0XF002	3	1
16 b — 501	0XF002	4	2
• •	• •	• •	• •
16 e — 505	0X6002	1	5
• •	• •	• •	• •
16 n — 513	0XF002	1	12
• •	• •	• •	• •

FIG. 12b

PORT TABLE

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a
	1600	00620	1	8	

FIG. 12c

19

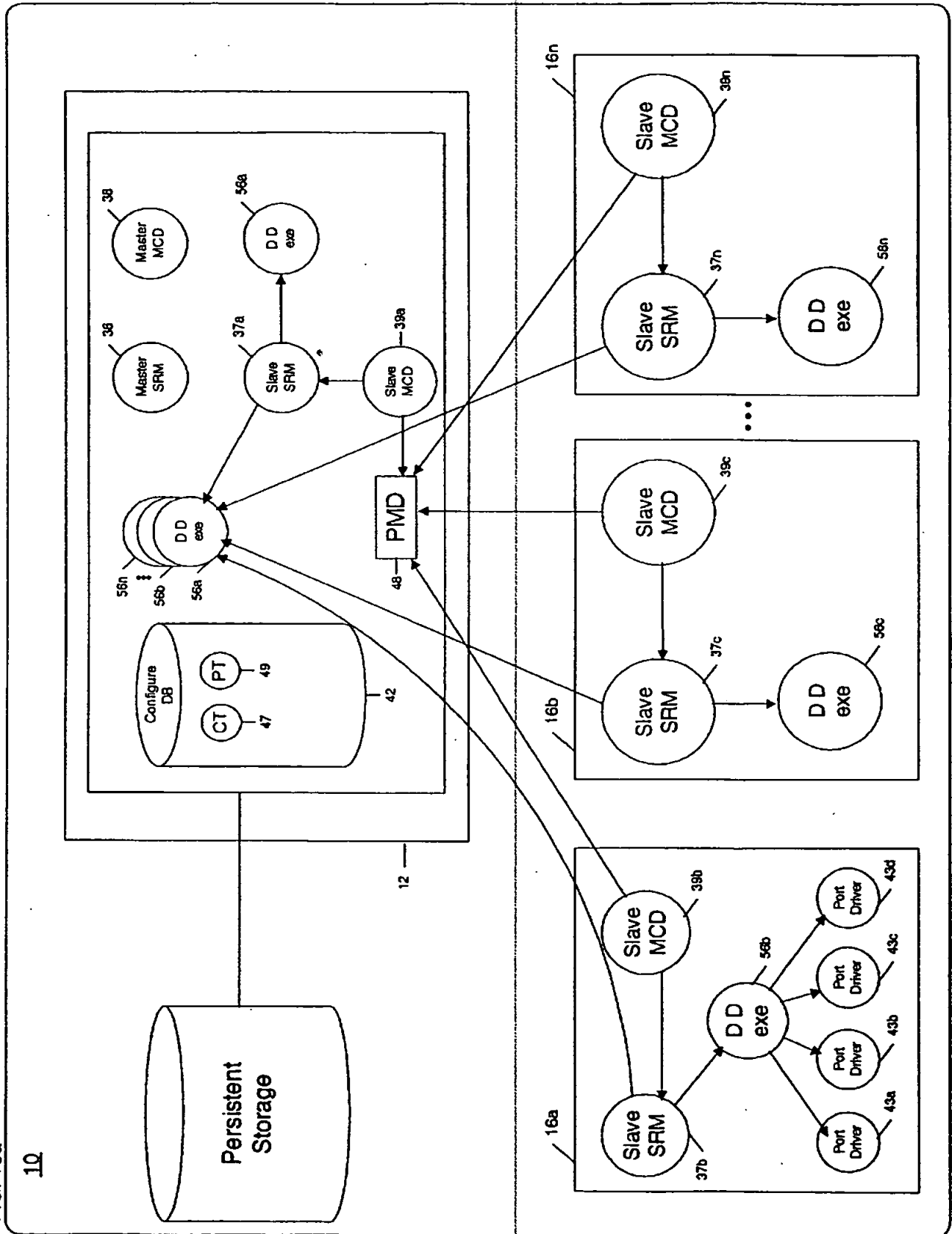


FIG. 13b

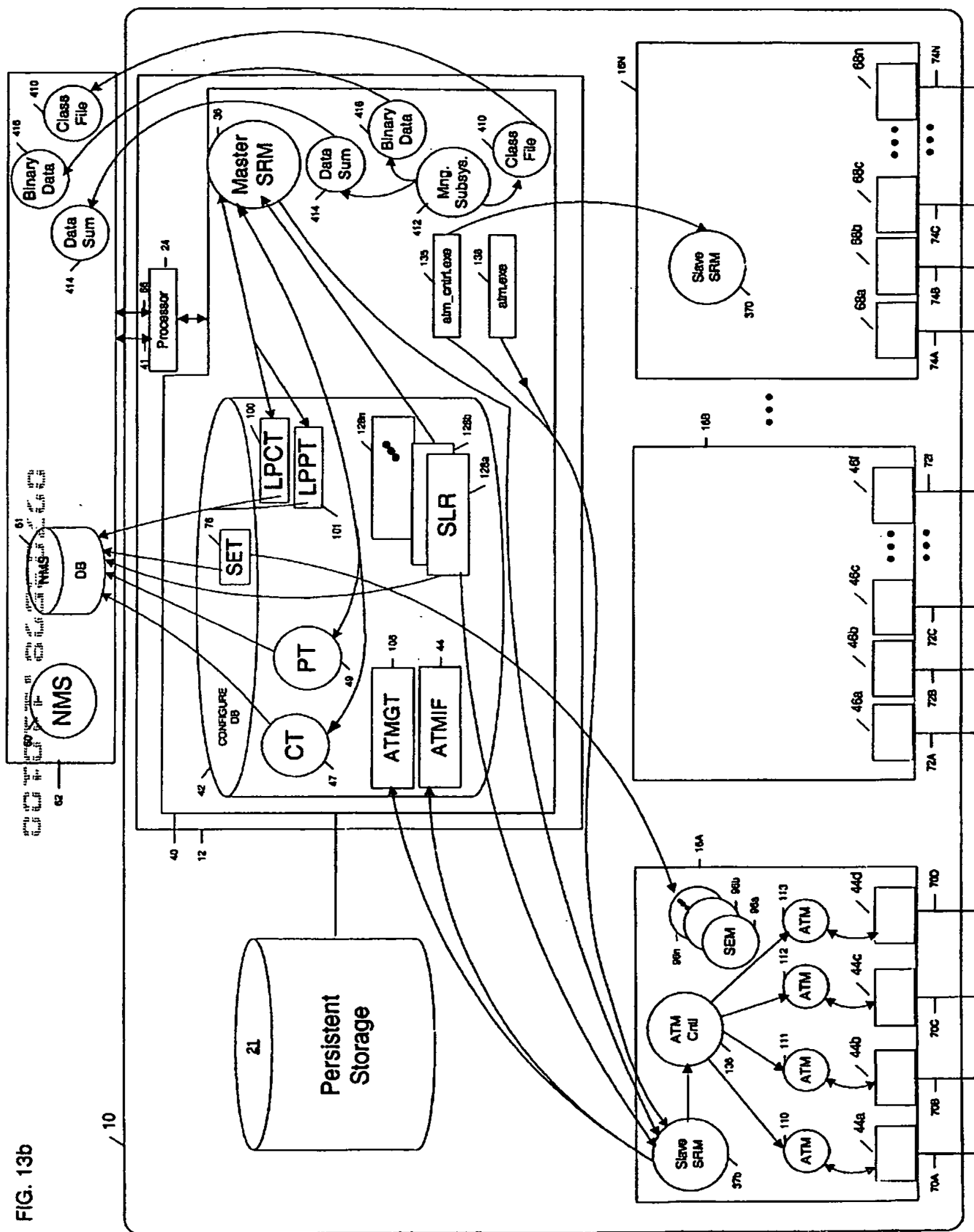


Fig. 13c

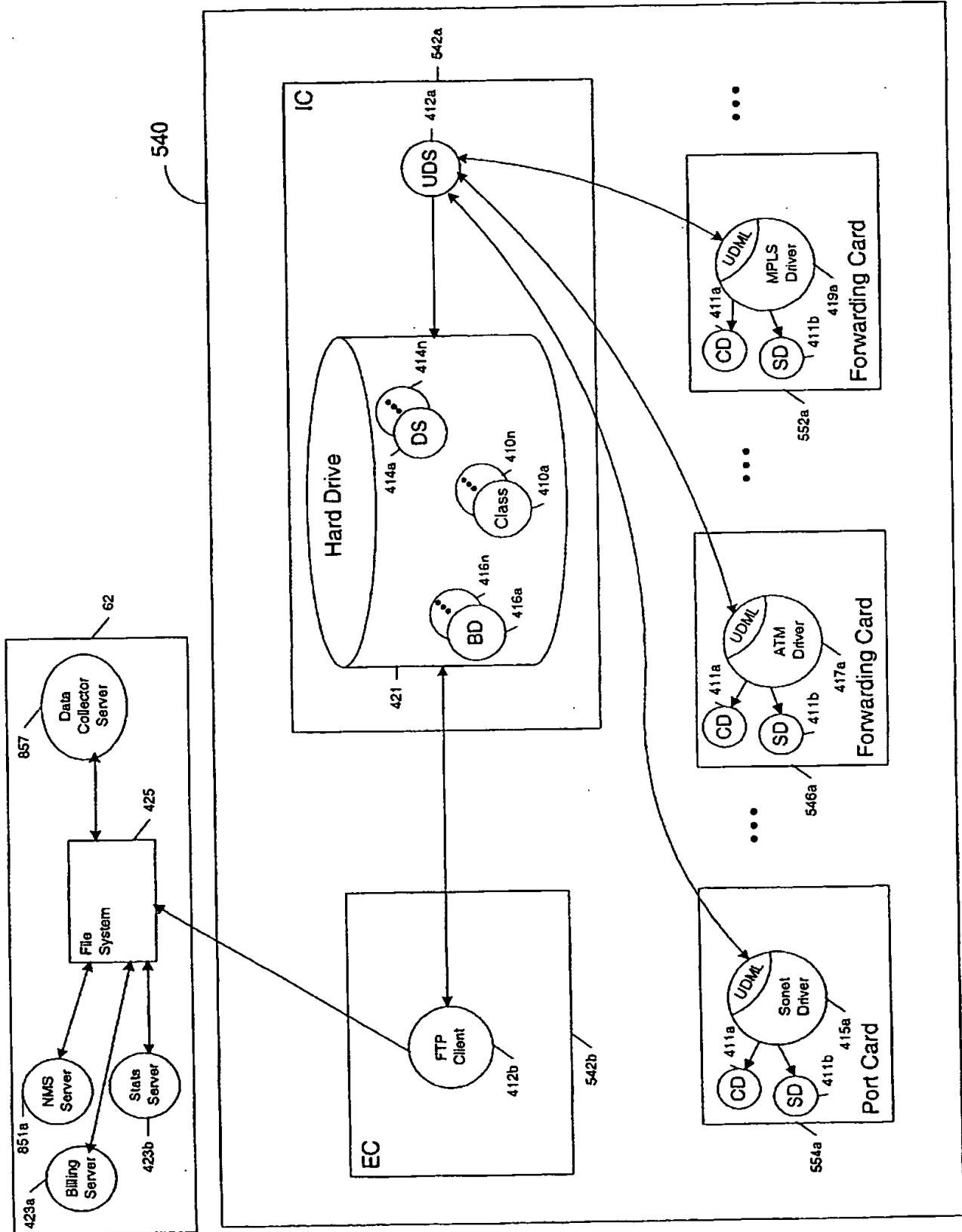


Fig. 13d

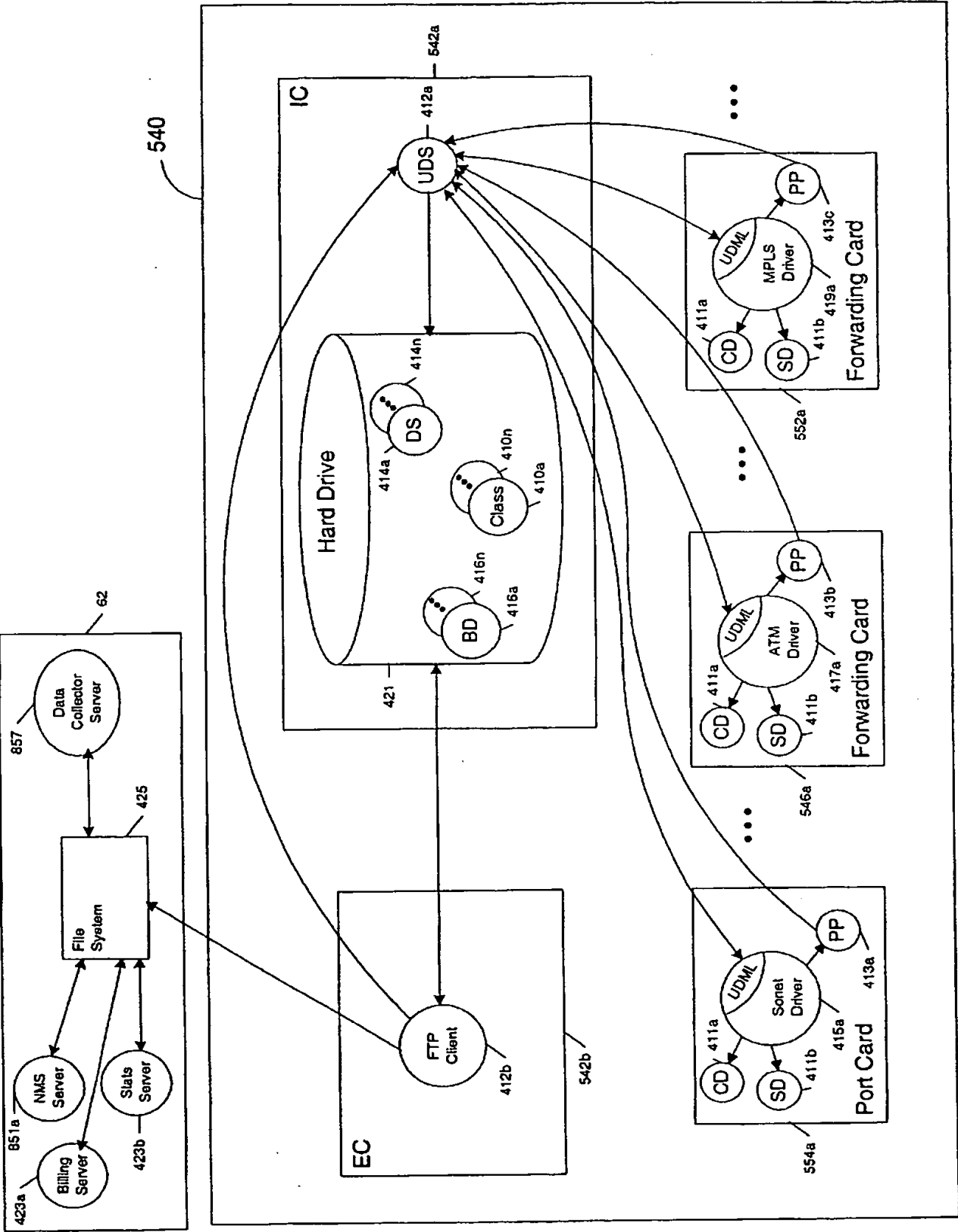


FIG. 14a

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 14b

Logical to Physical Card Table 100

	LID	Primary PID	Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 14c

Logical to Physical Port Table 101

	LID	Primary PID	Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 14d

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14e

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14f

Software Load Record 128a

130	Control Shim	LID	132
134	atm-cntl.exe	30	

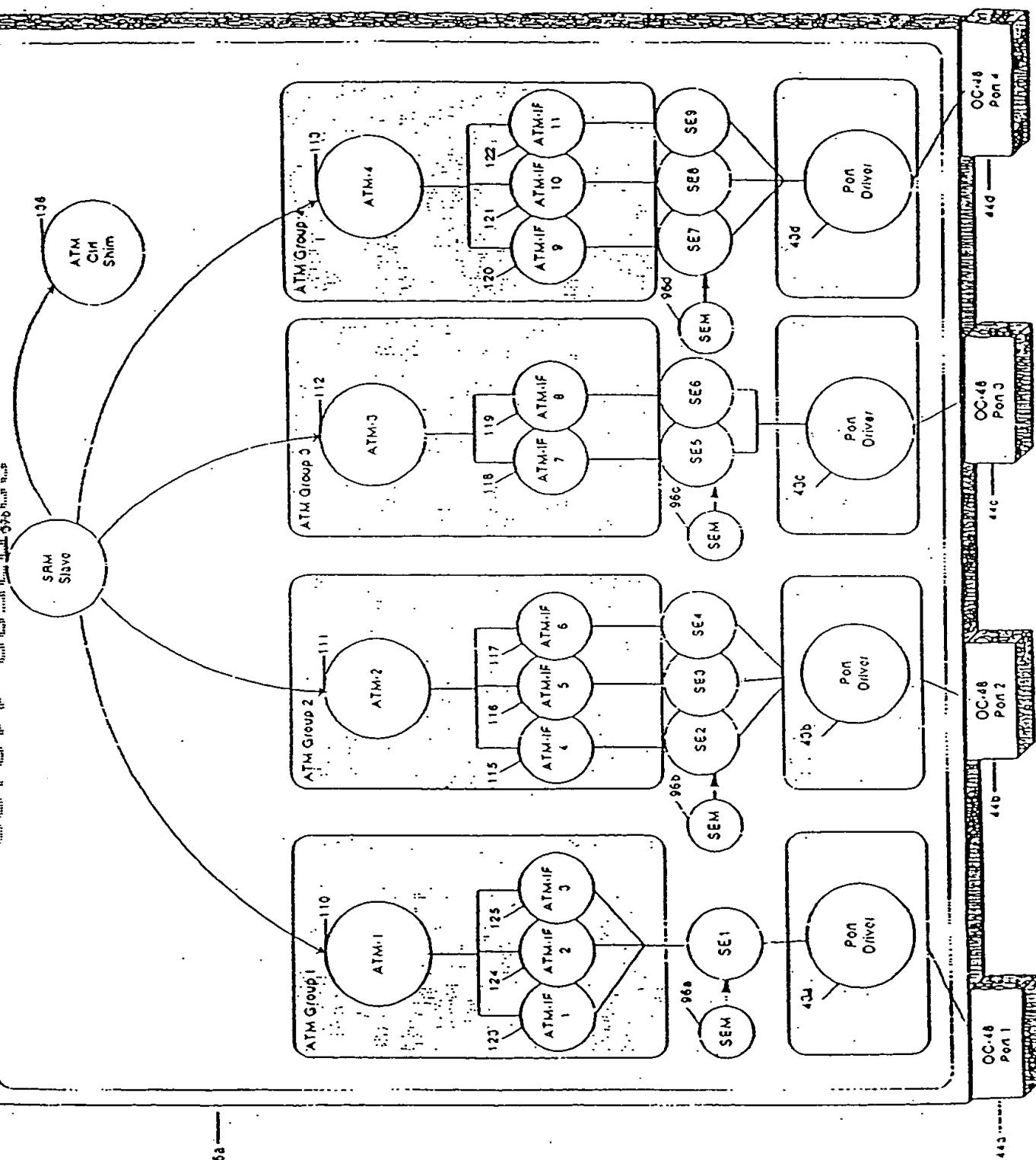
[illegible]

FIG. 16a

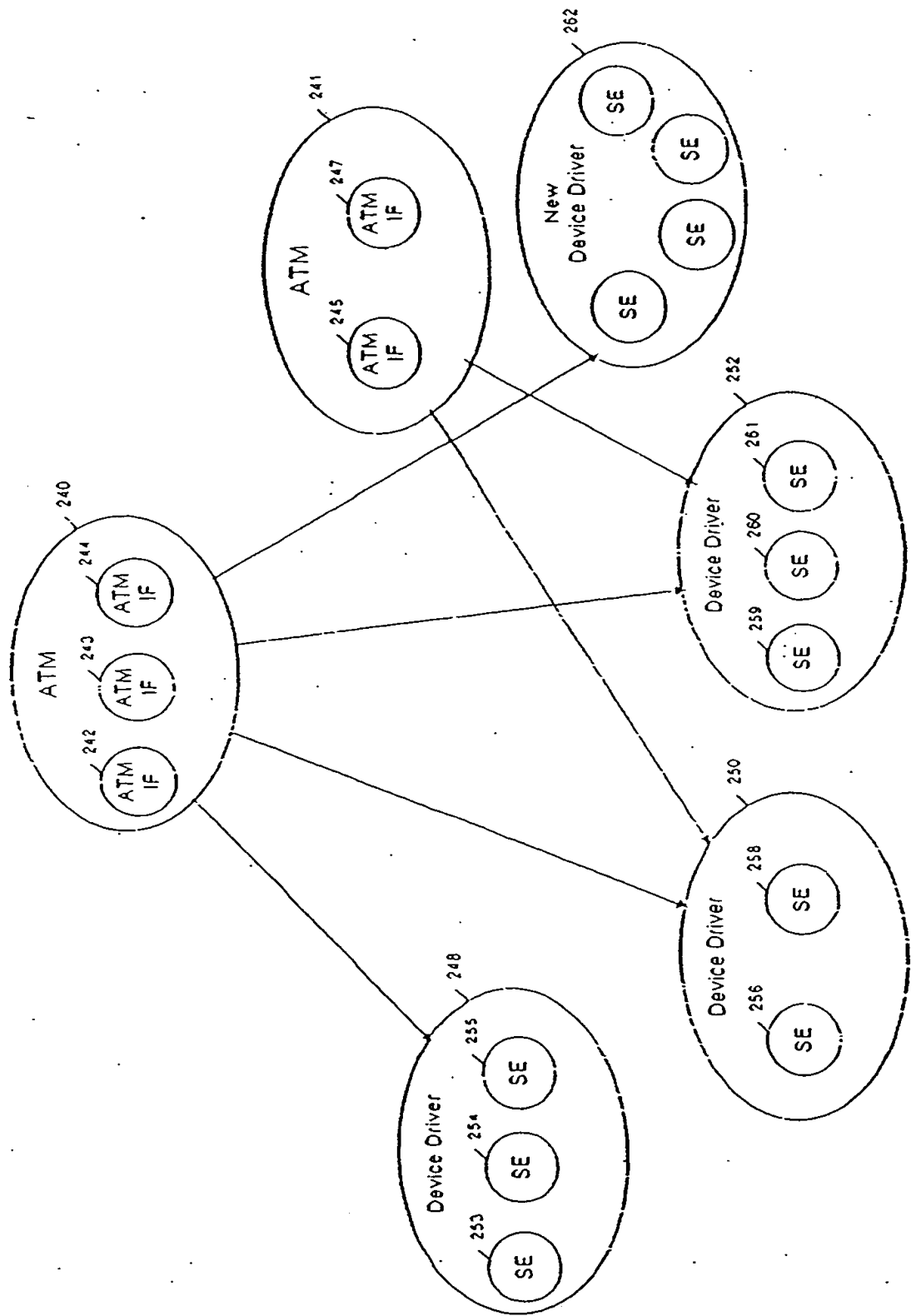


FIG. 16b

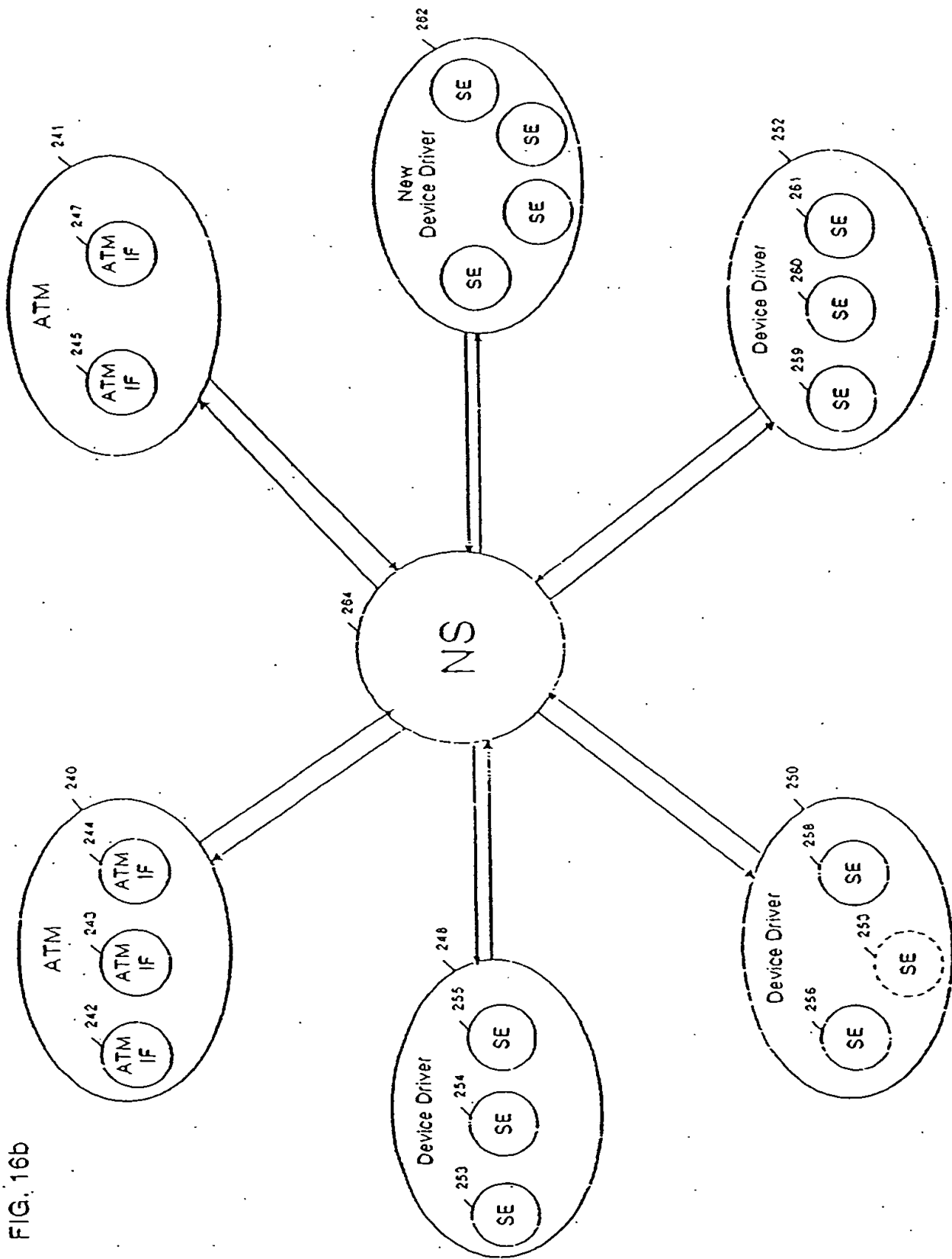


FIG. 16c

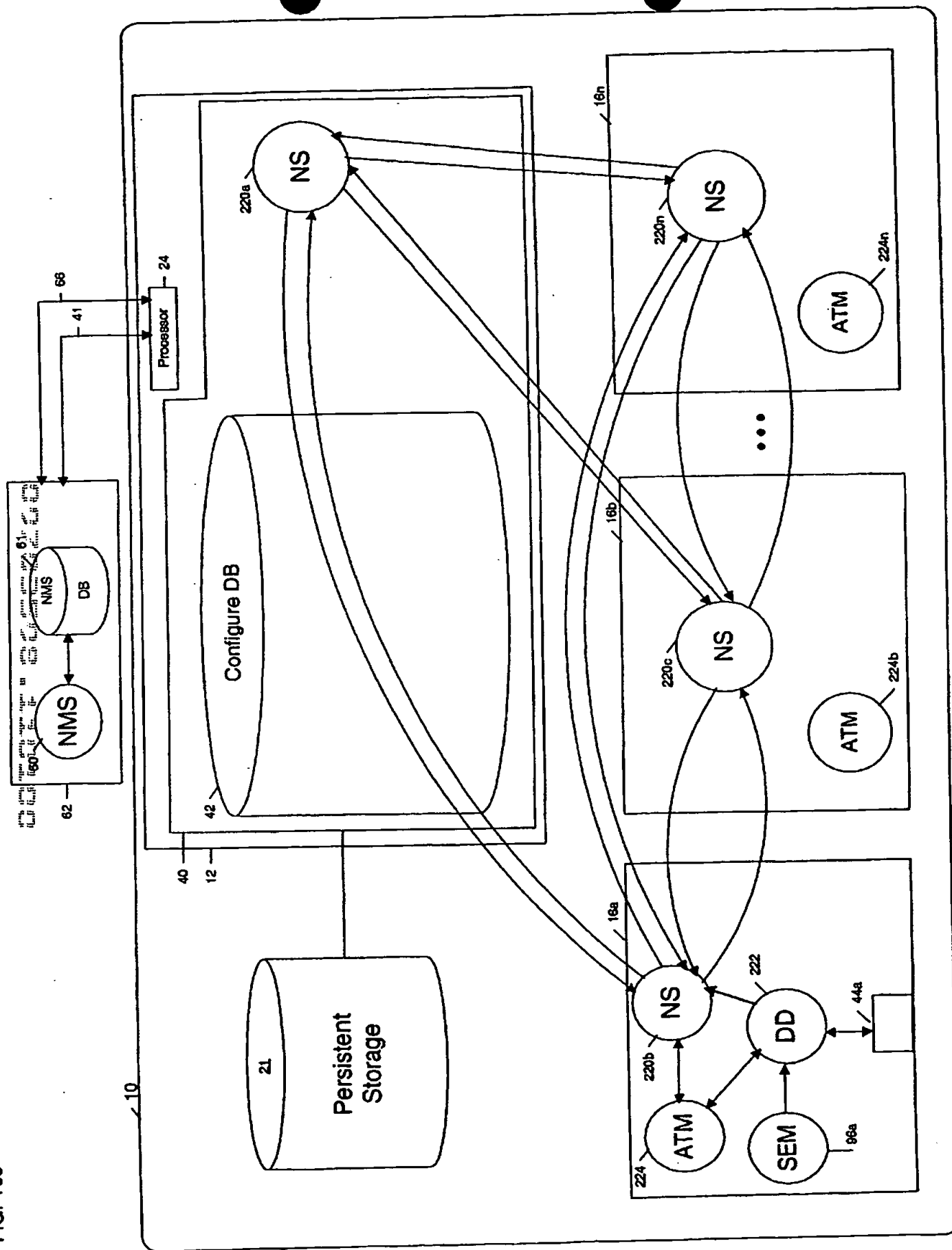
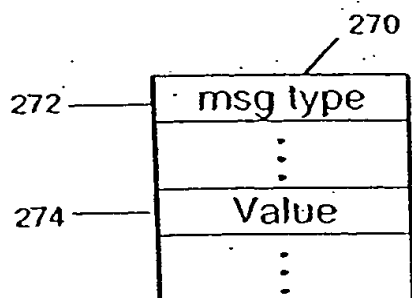


FIG. 16d



2025 RELEASE UNDER E.O. 14176

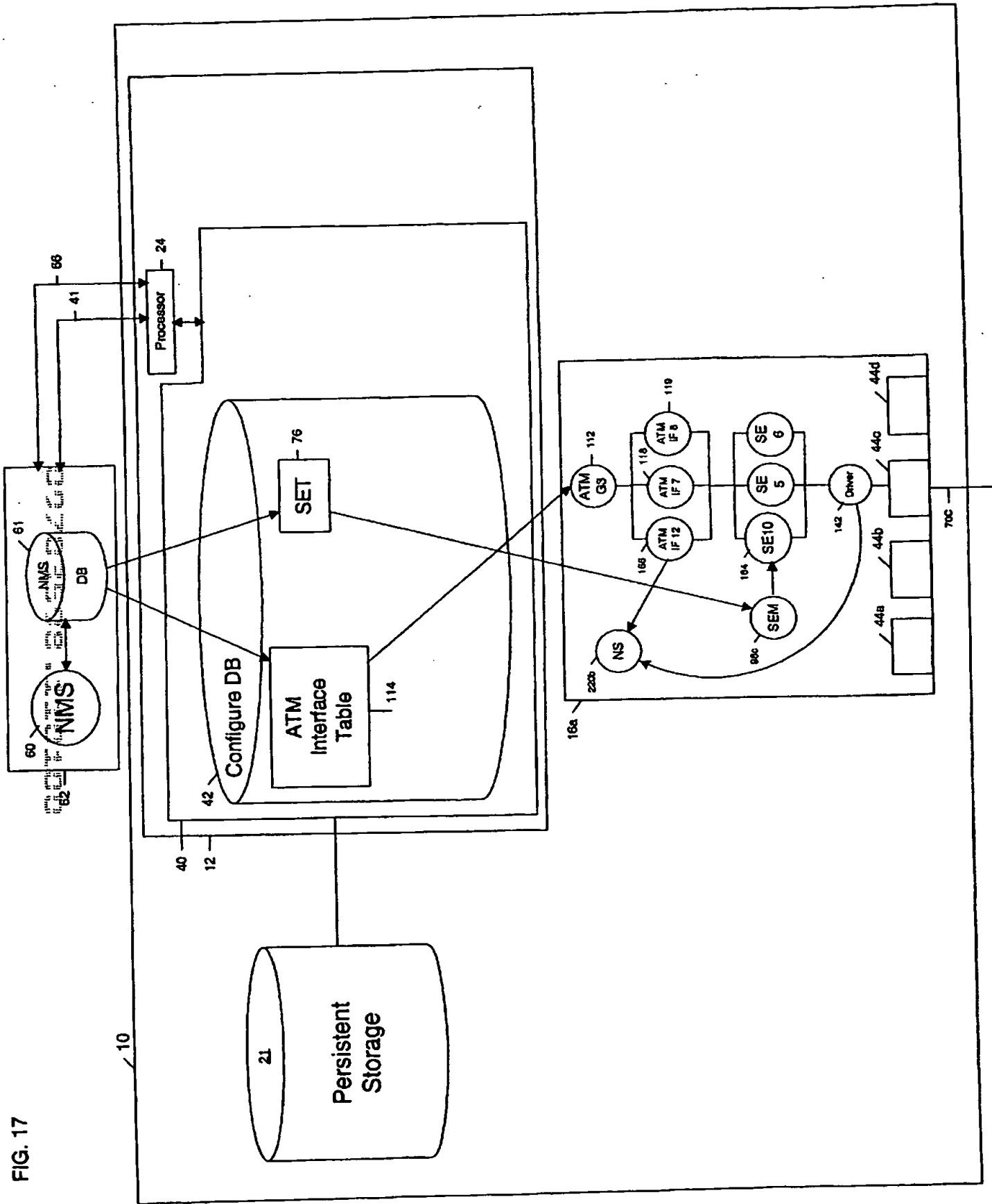


FIG. 18

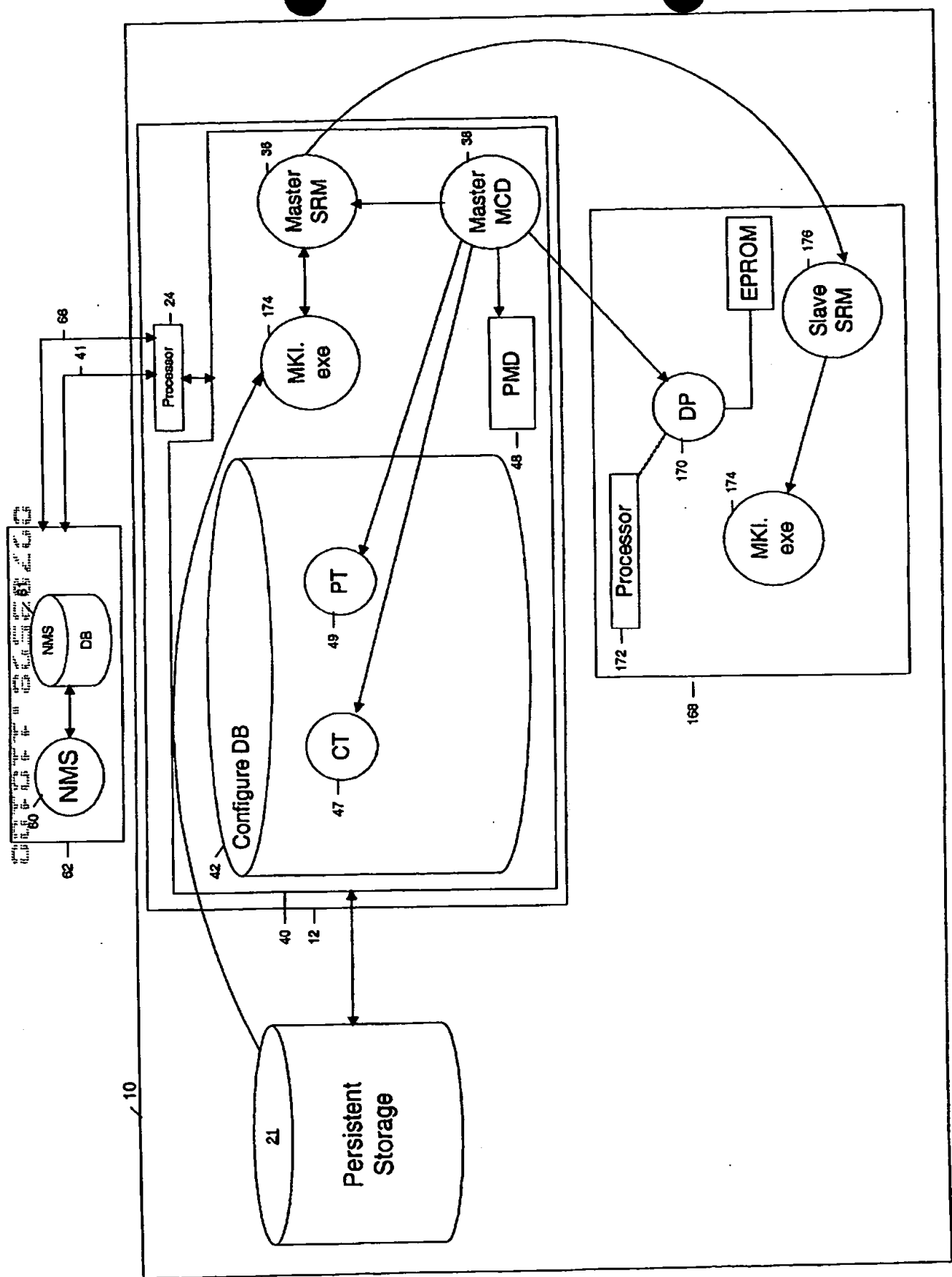


FIG. 19

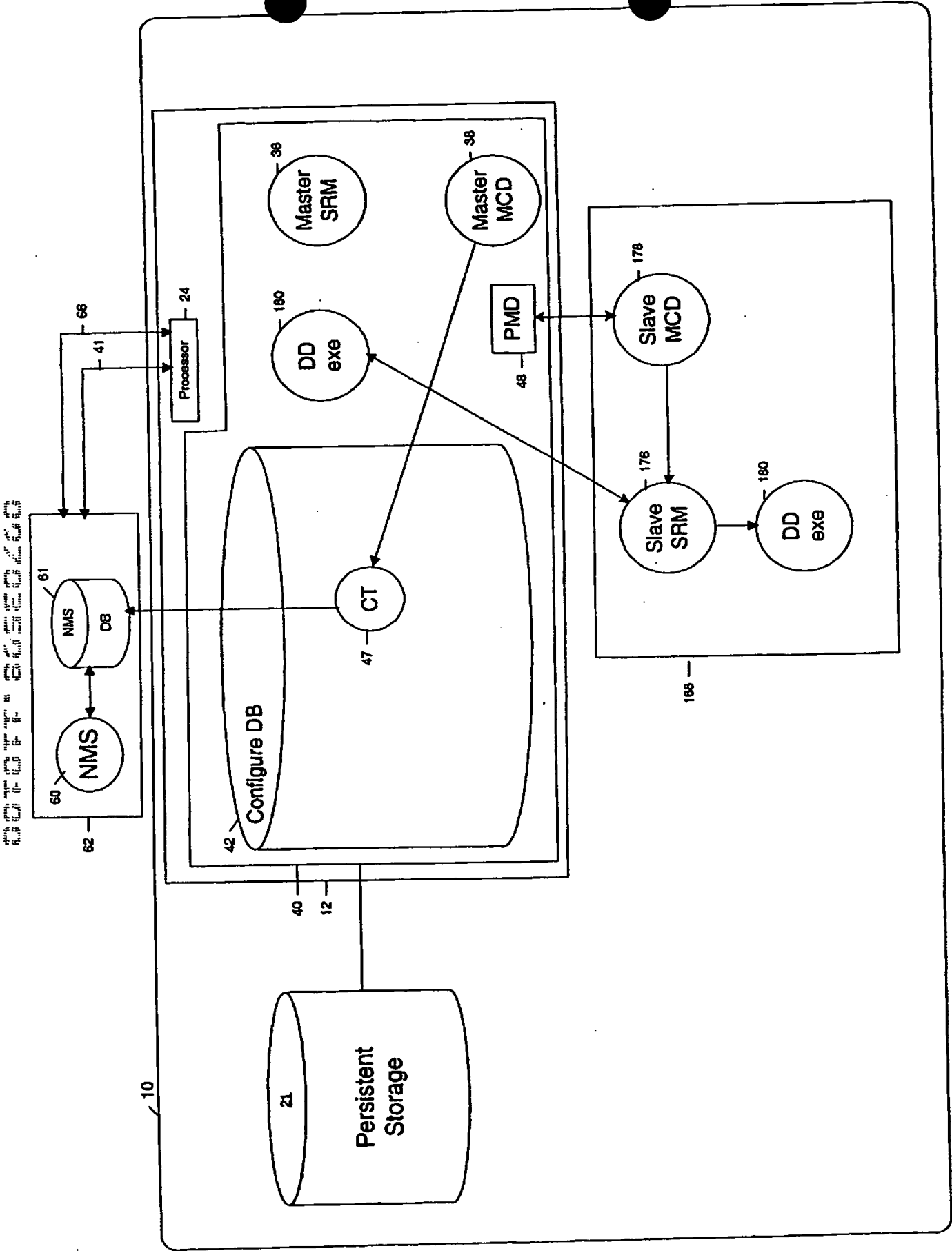


FIG. 20

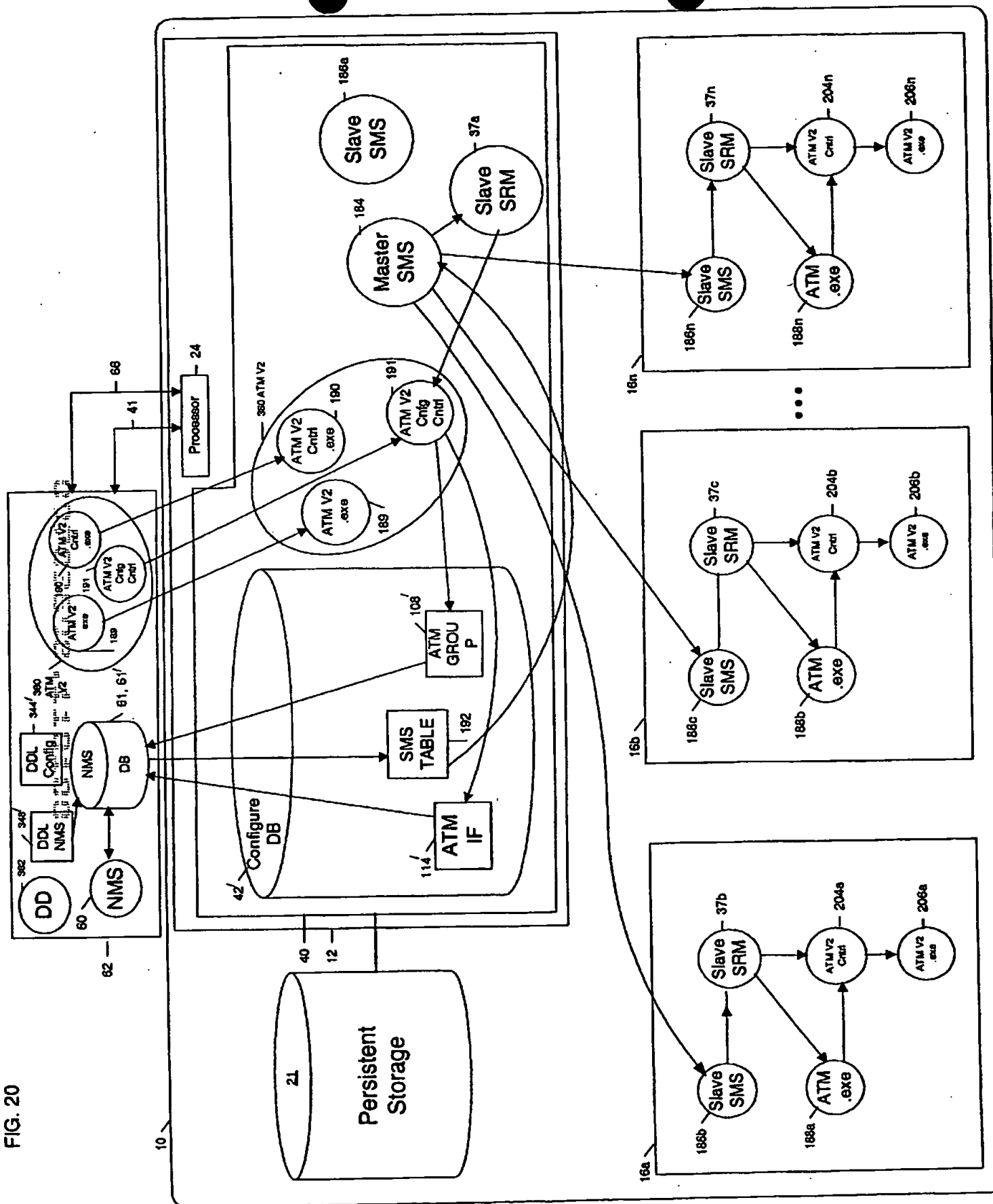
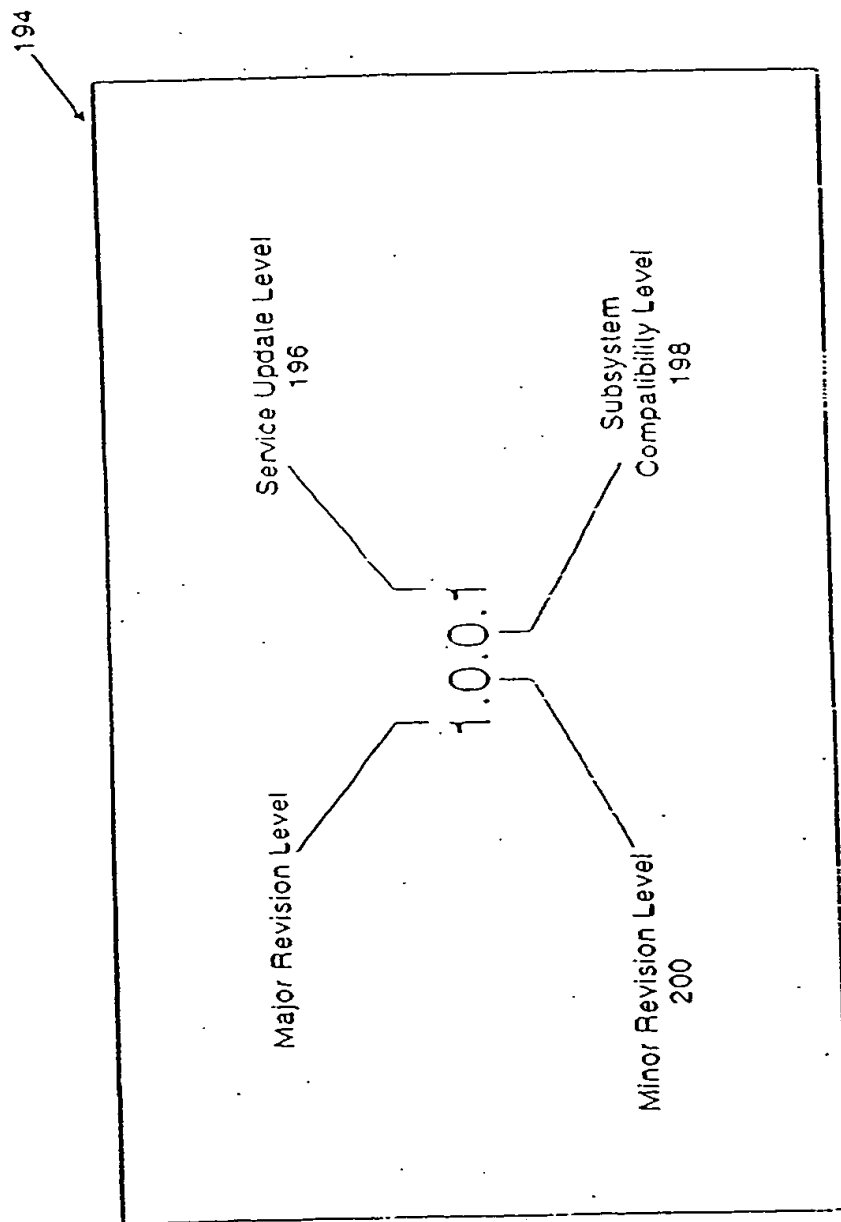


FIG. 21

FIG. 21



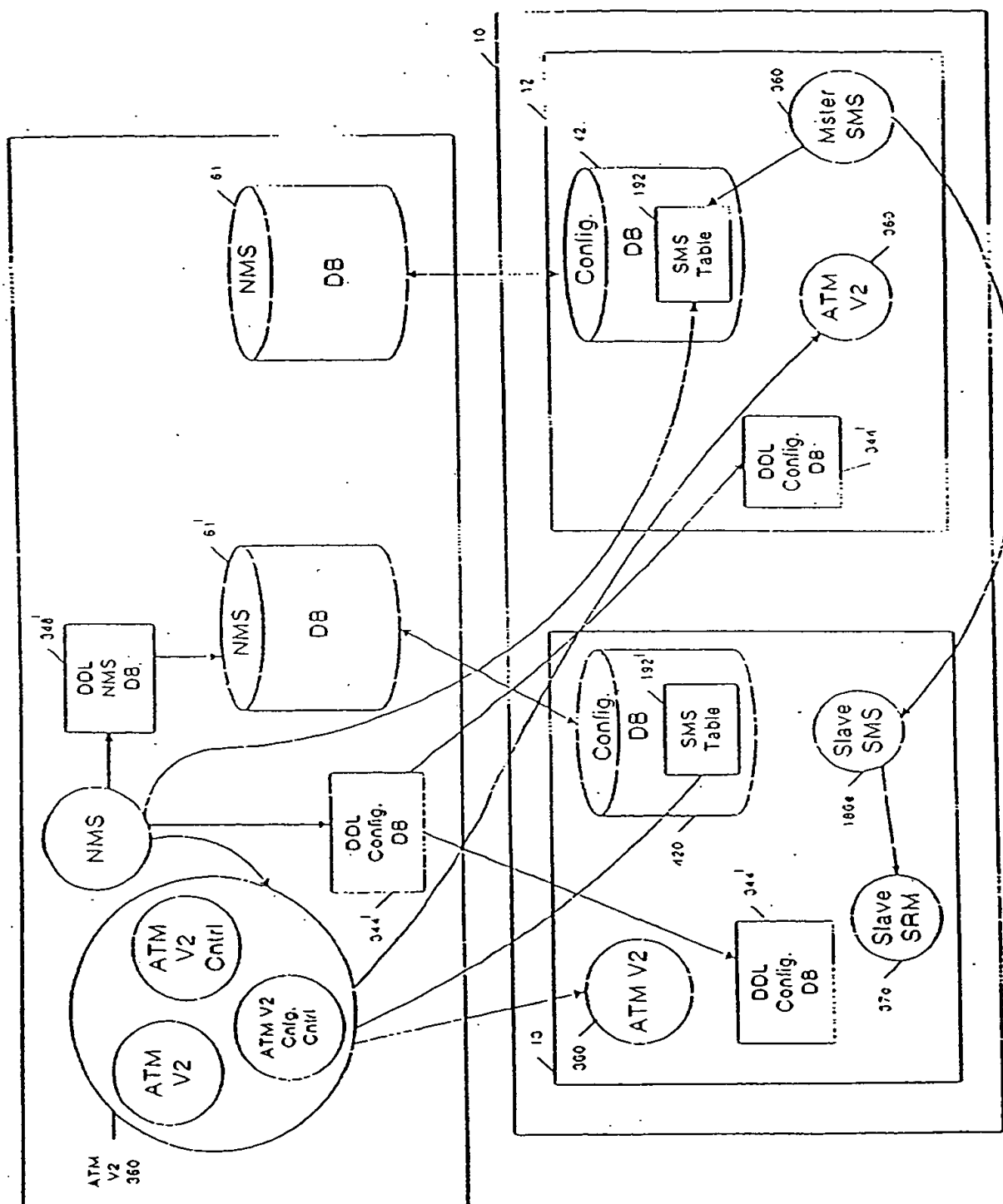
[illegible]

FIG. 23

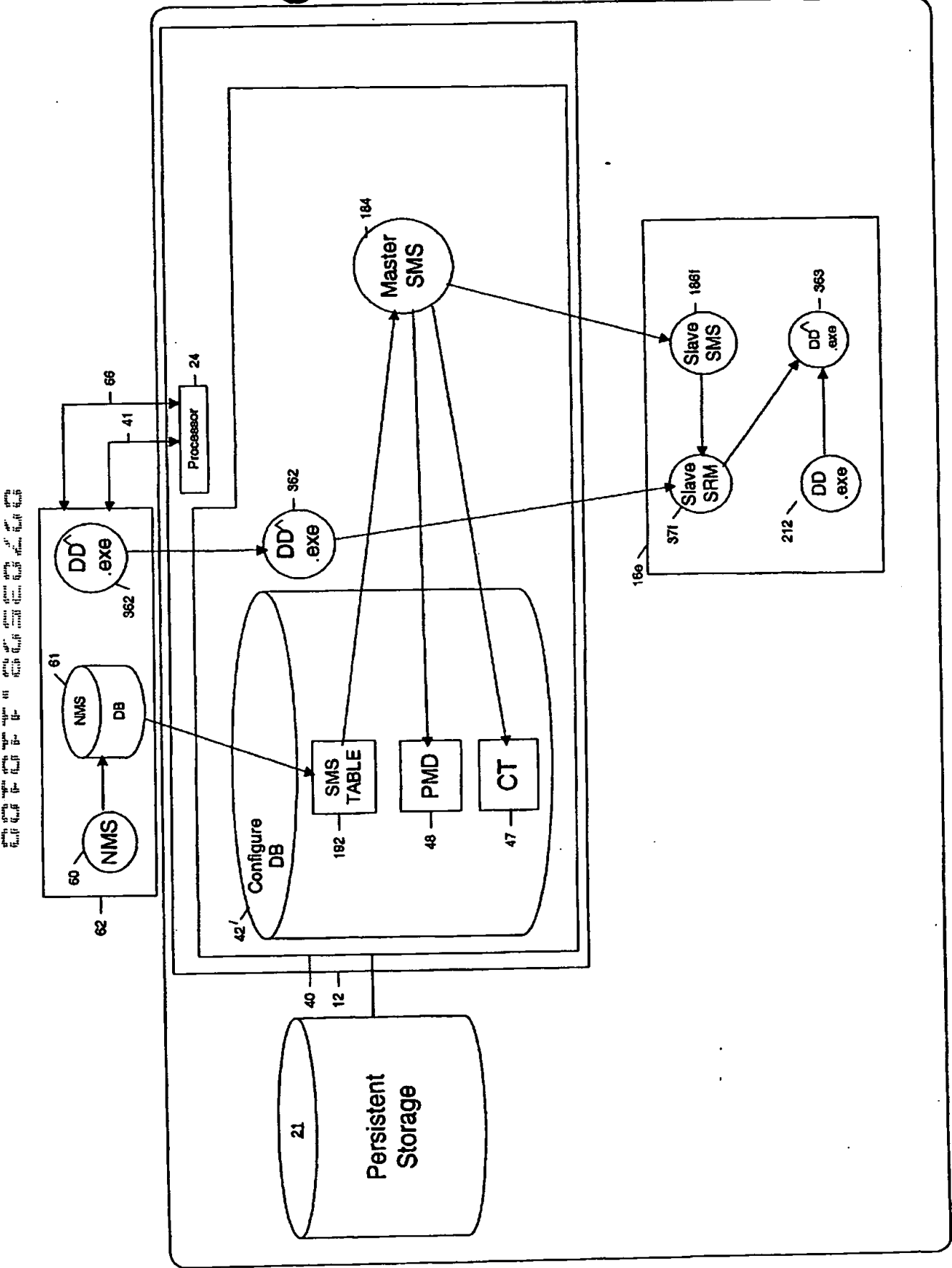


FIG. 24

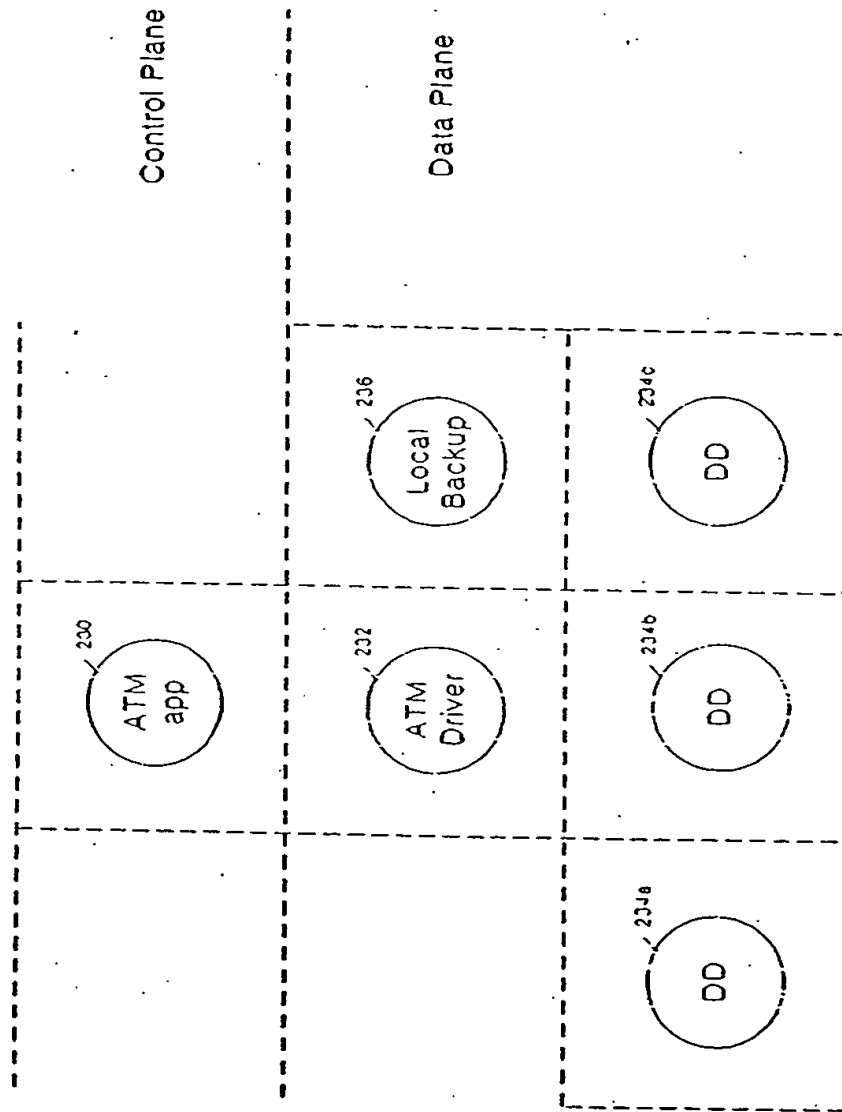


FIG. 25

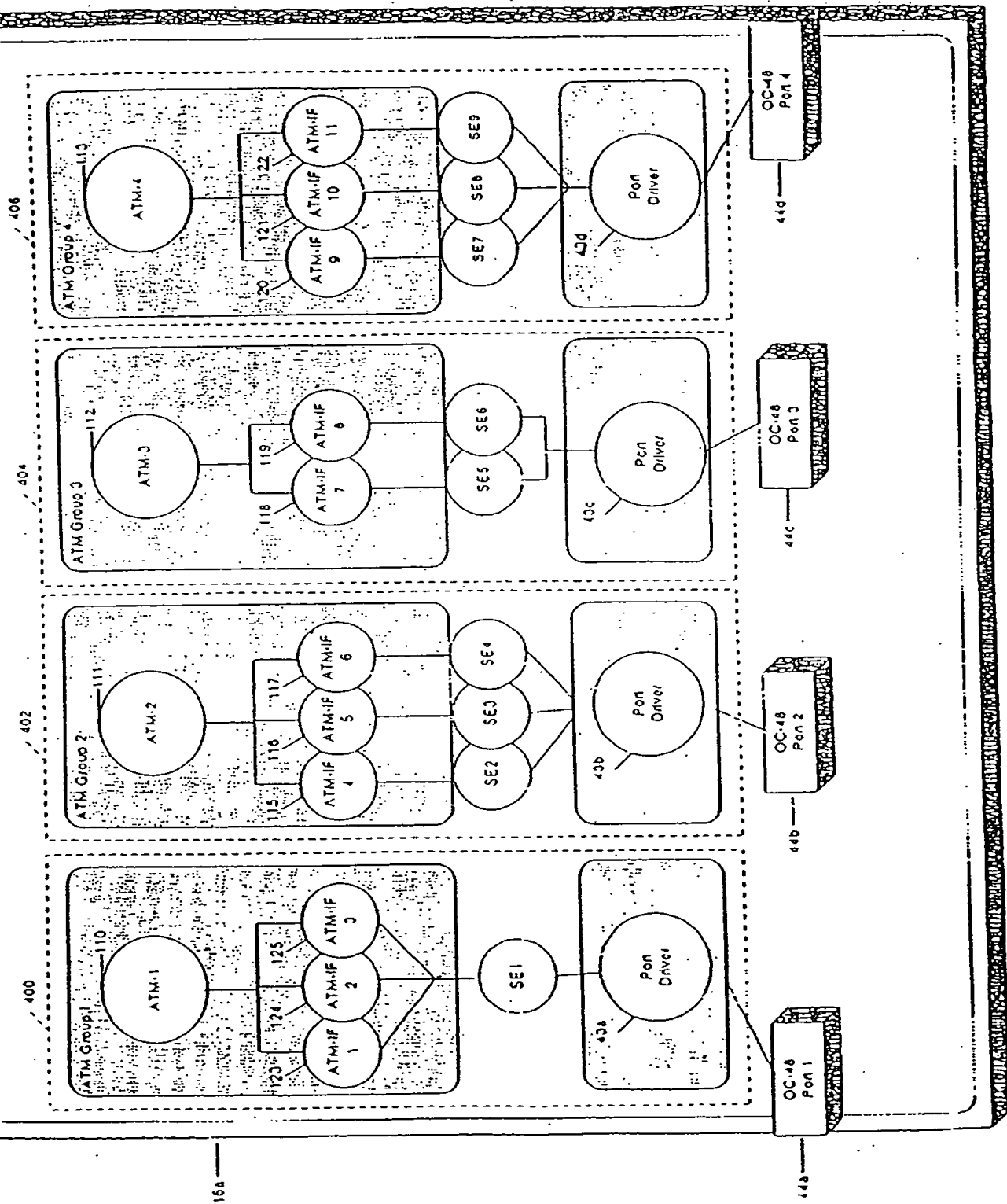


FIG. 26

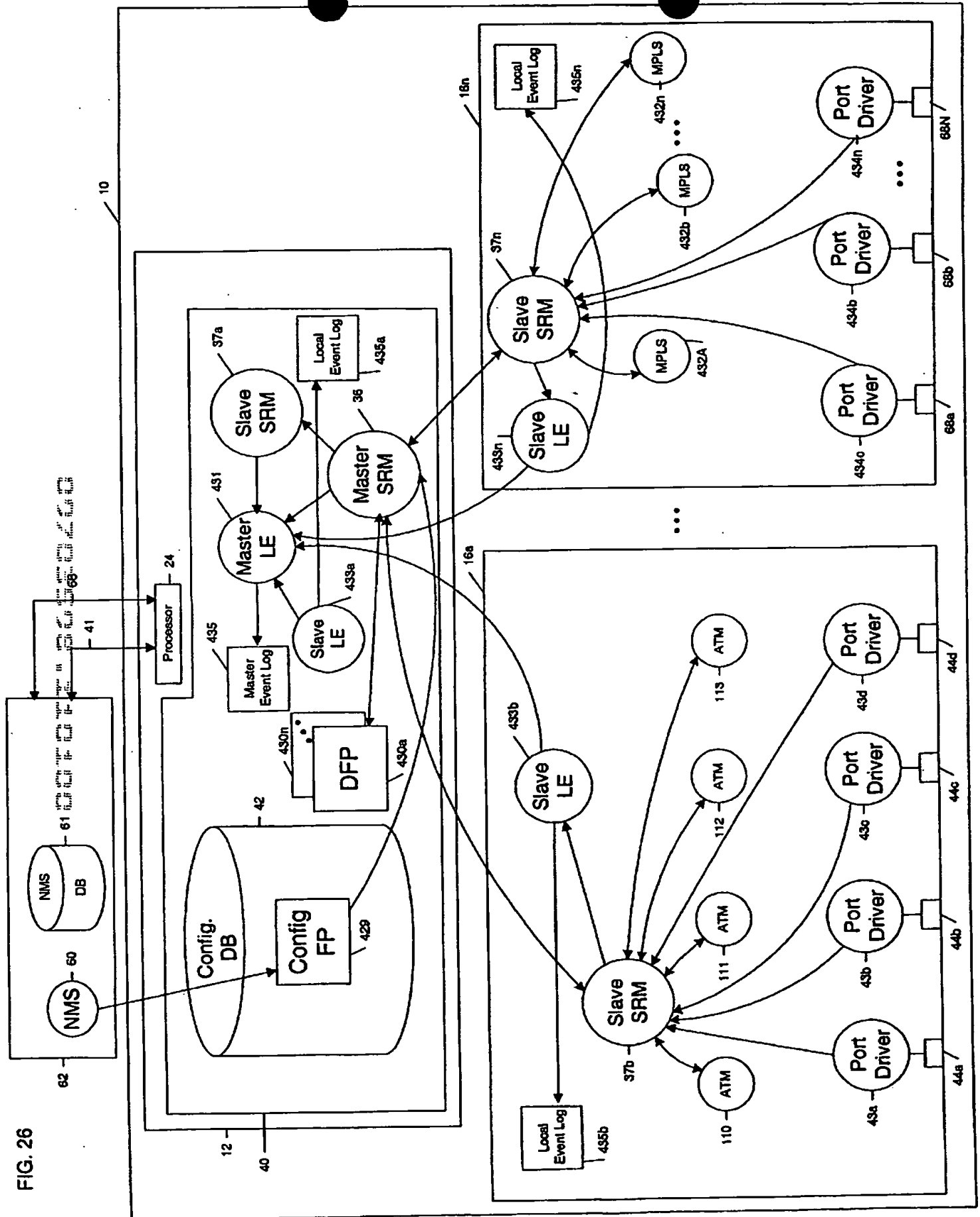


FIG. 27

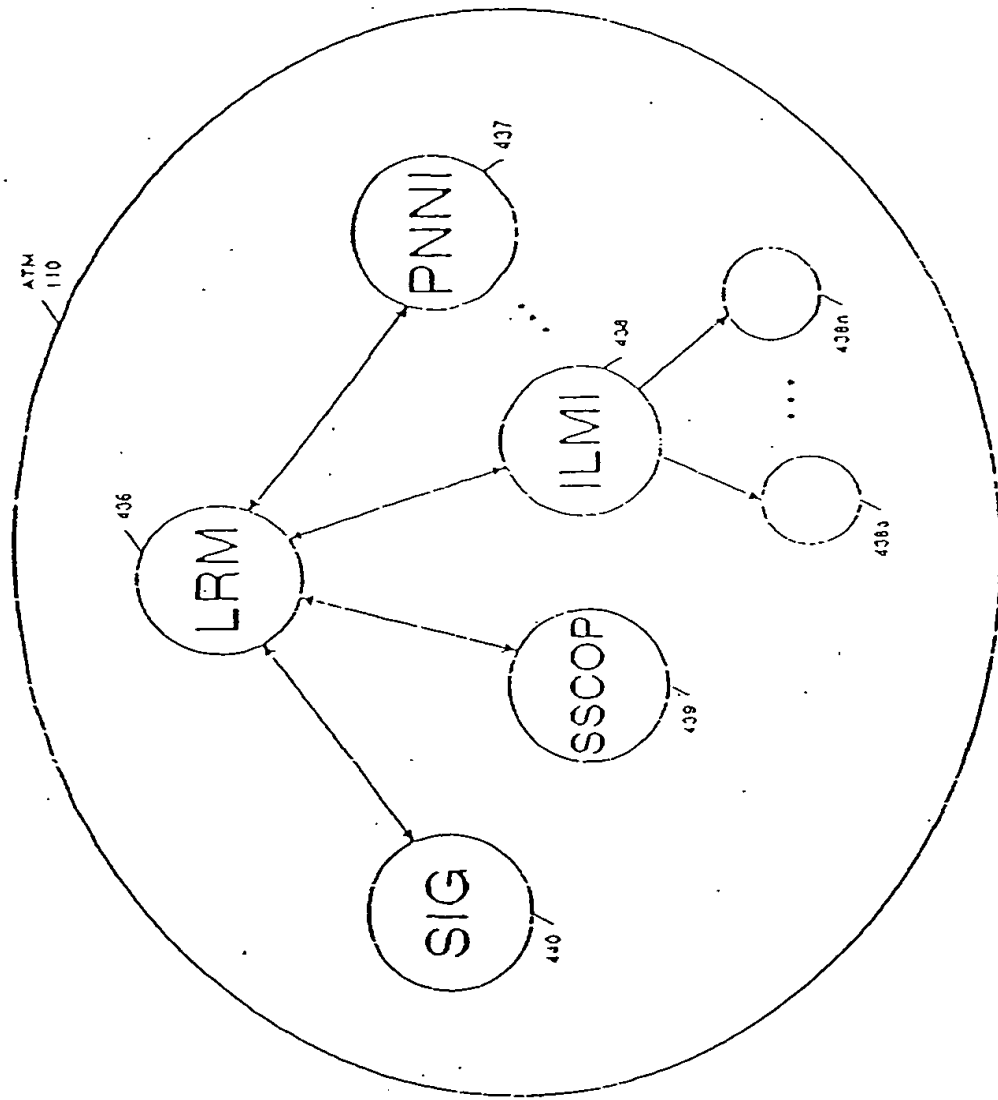
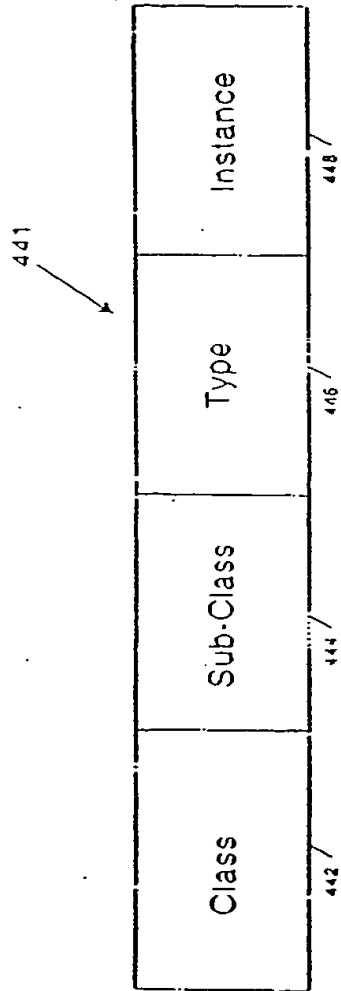


FIG. 28



[illegible]

Group Table 108

447

449

	Group #	Primary Card LID	Backup Card LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

Fig. 31a

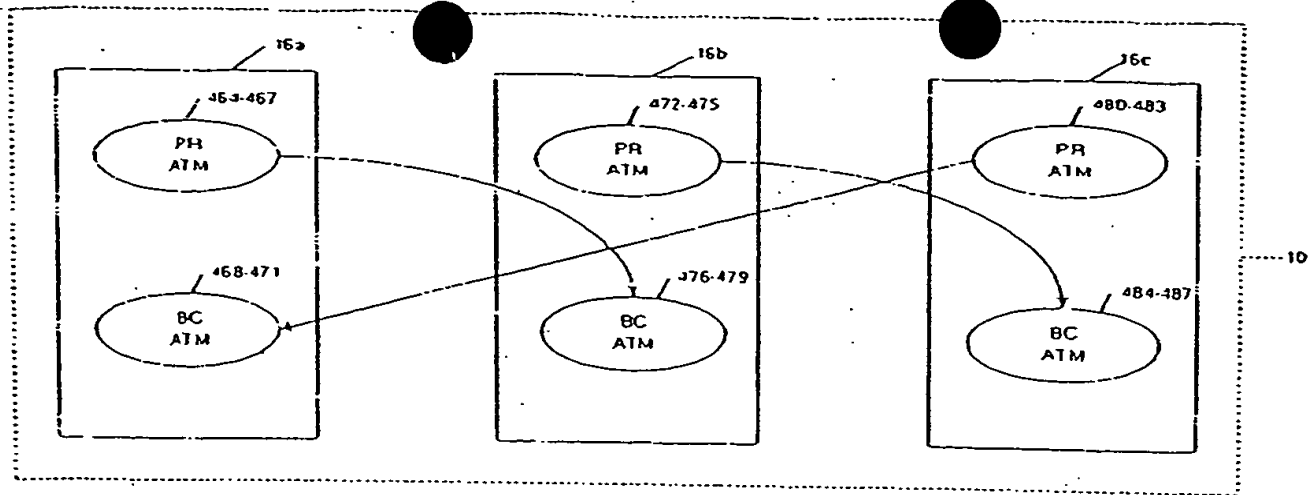


Fig. 31b

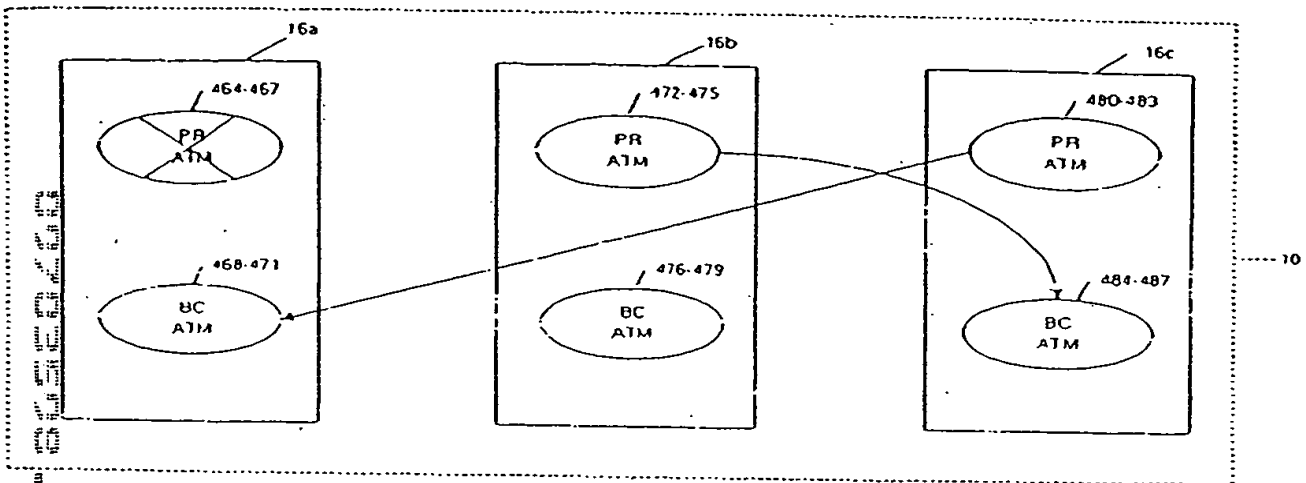


Fig. 31c

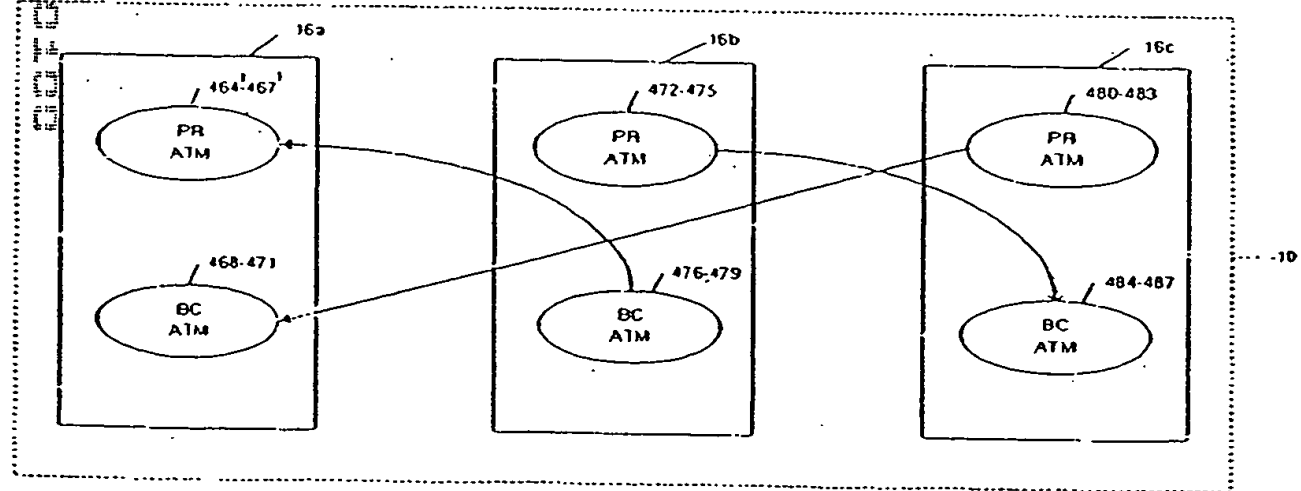


Fig. 32a

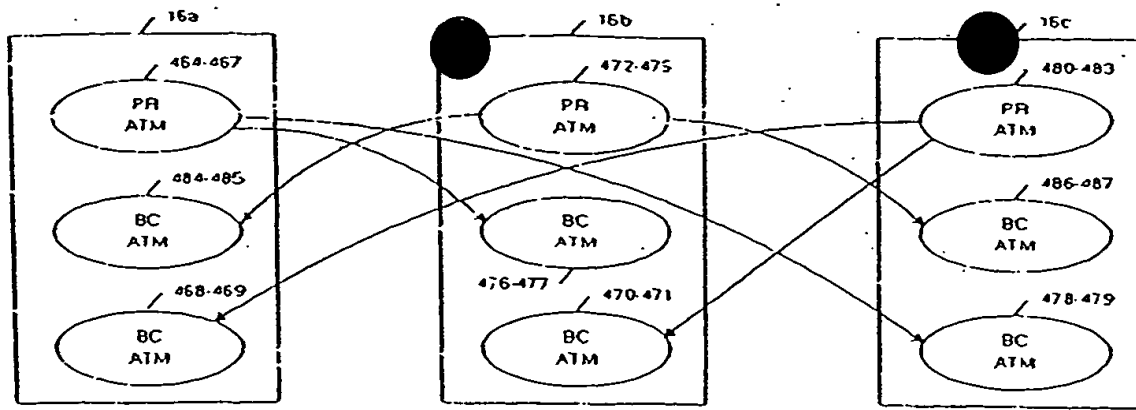


Fig. 32b

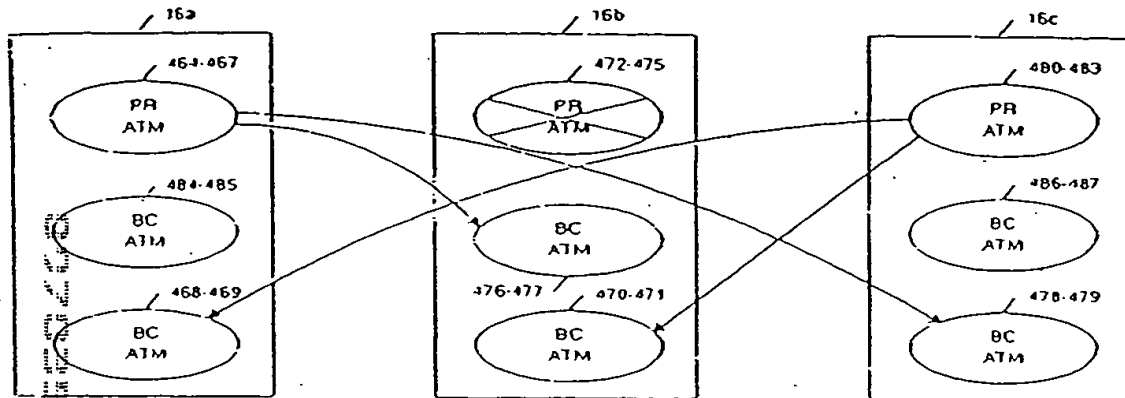


Fig. 32c

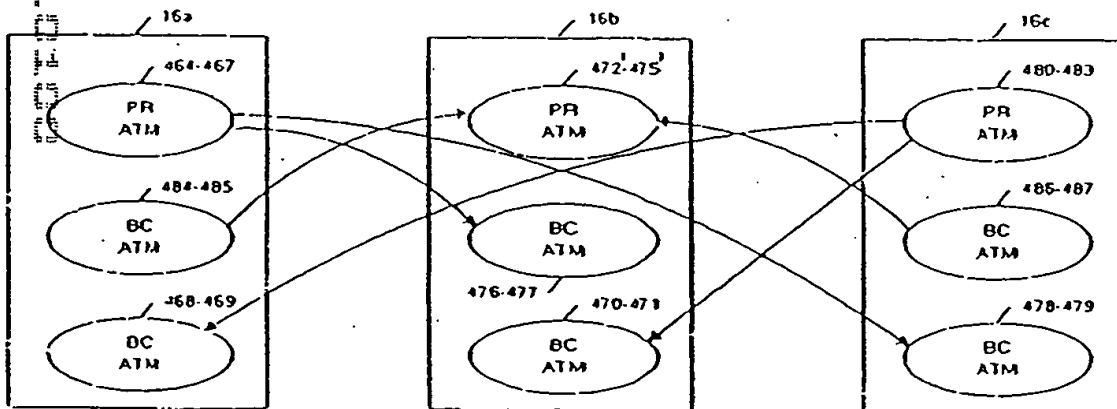


Fig. 32A

FIG. 33a

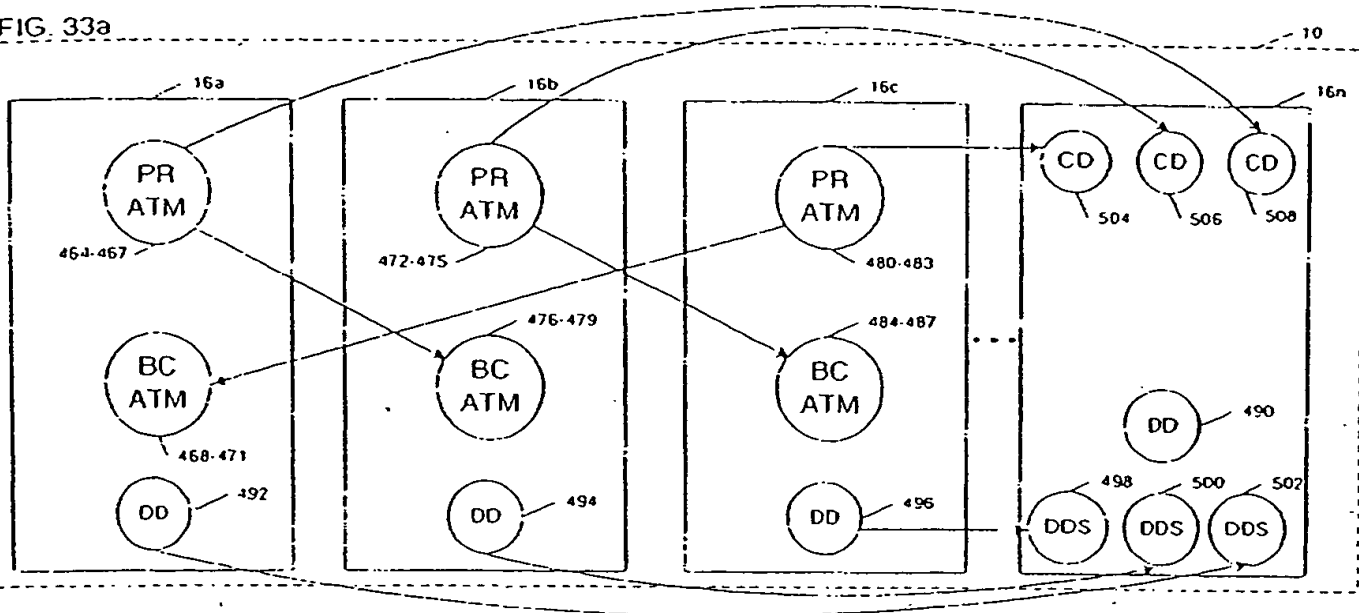


FIG. 33b

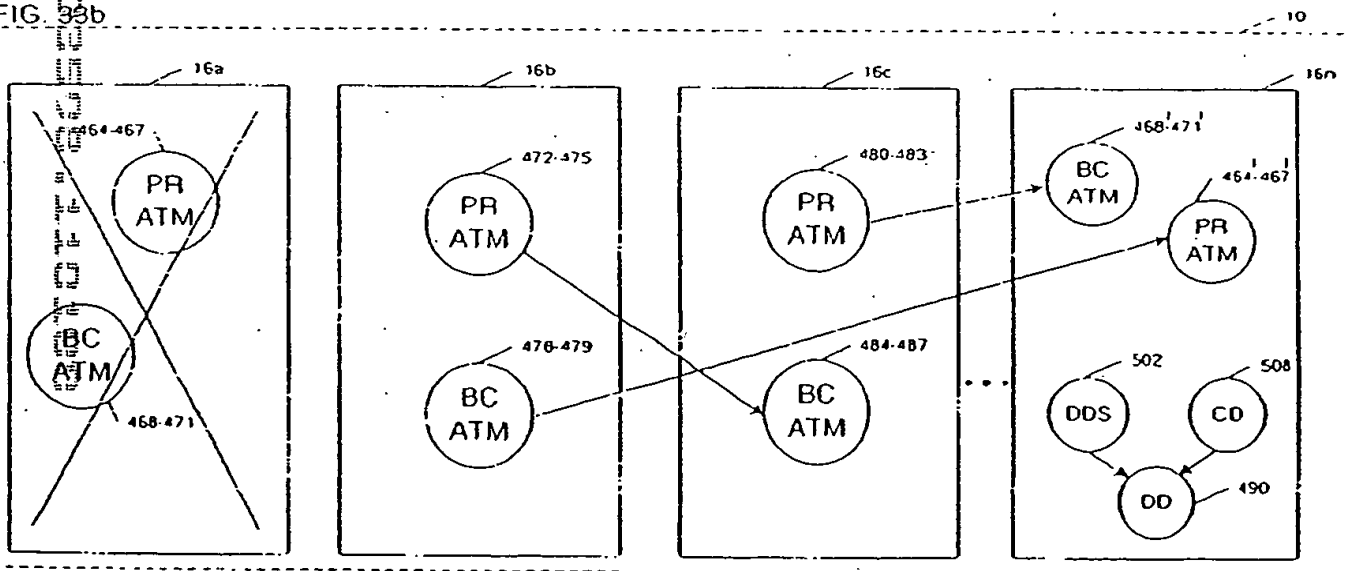


FIG. 33c

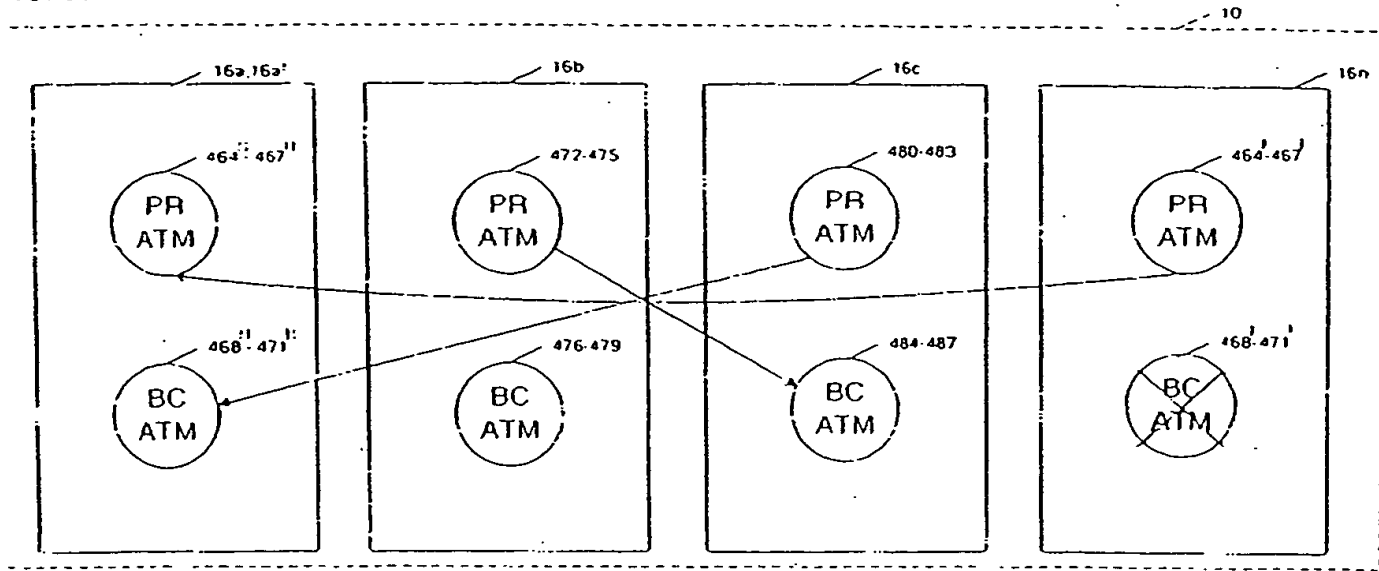


FIG. 33d

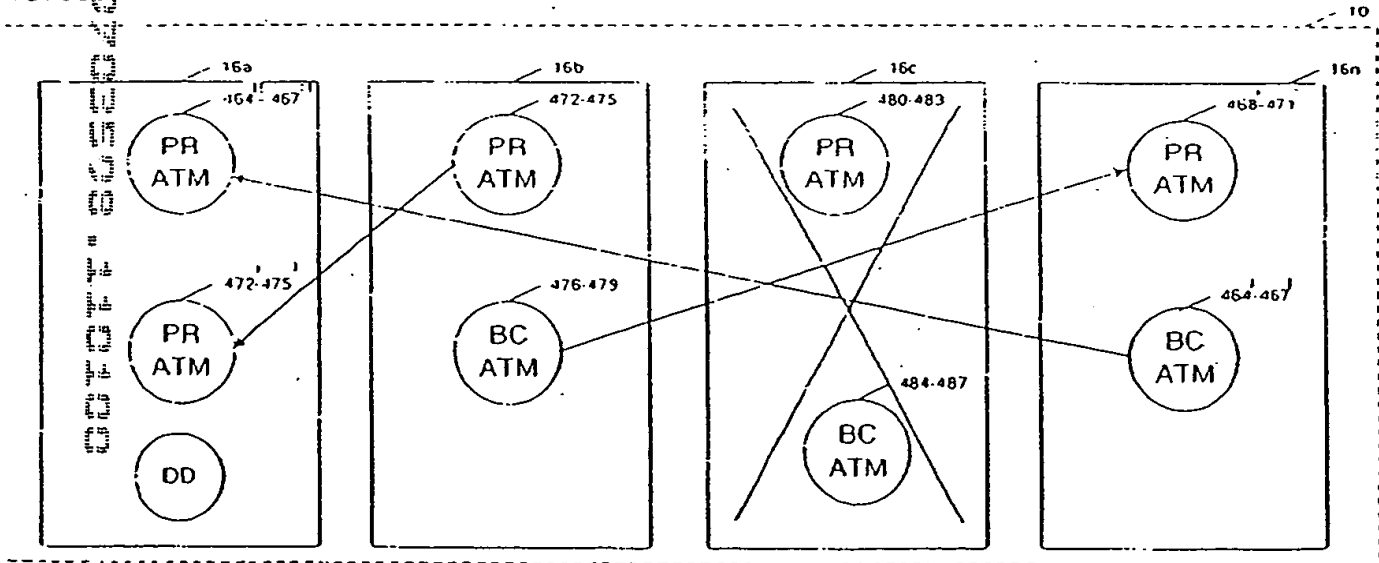


FIG. 34b

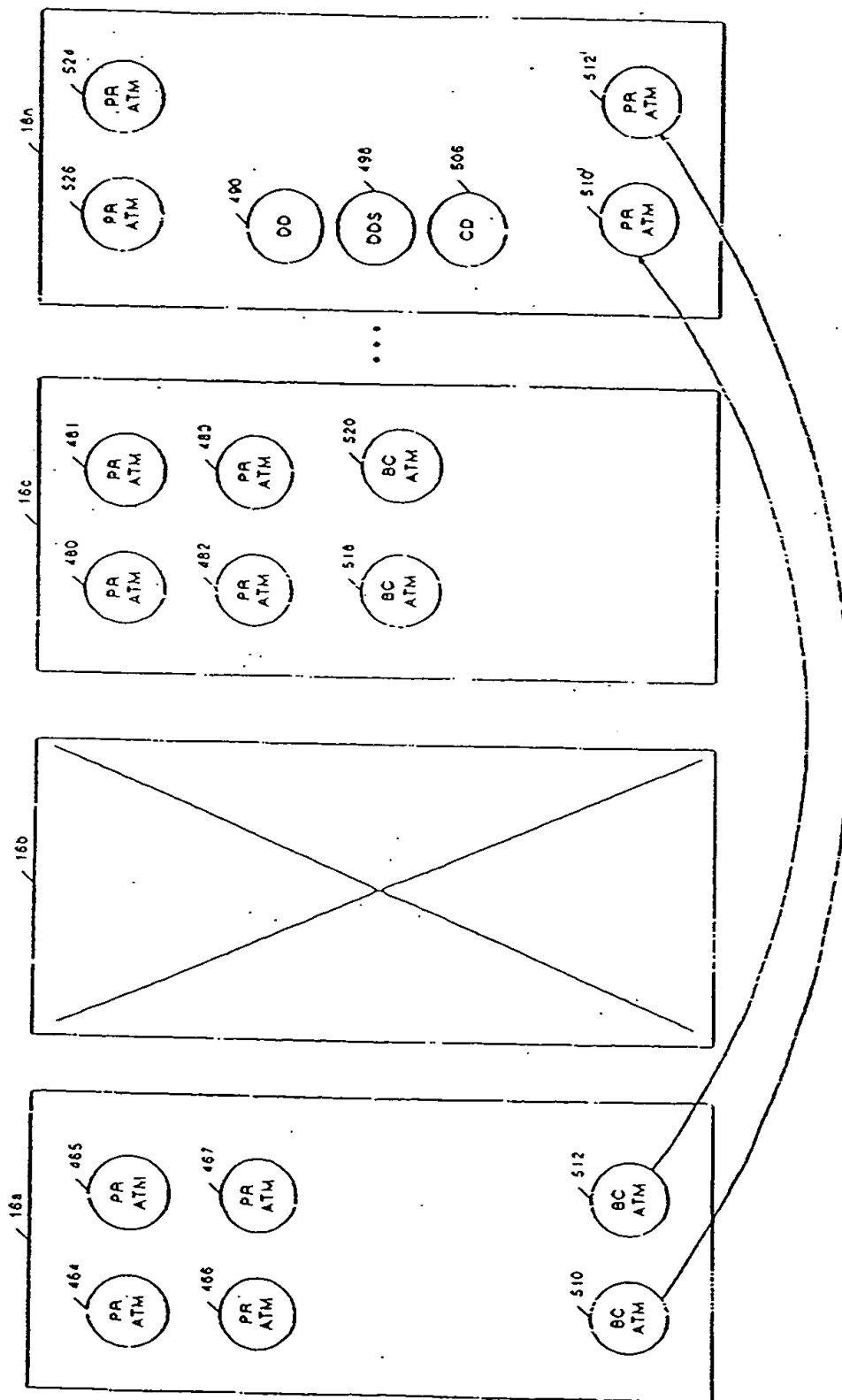
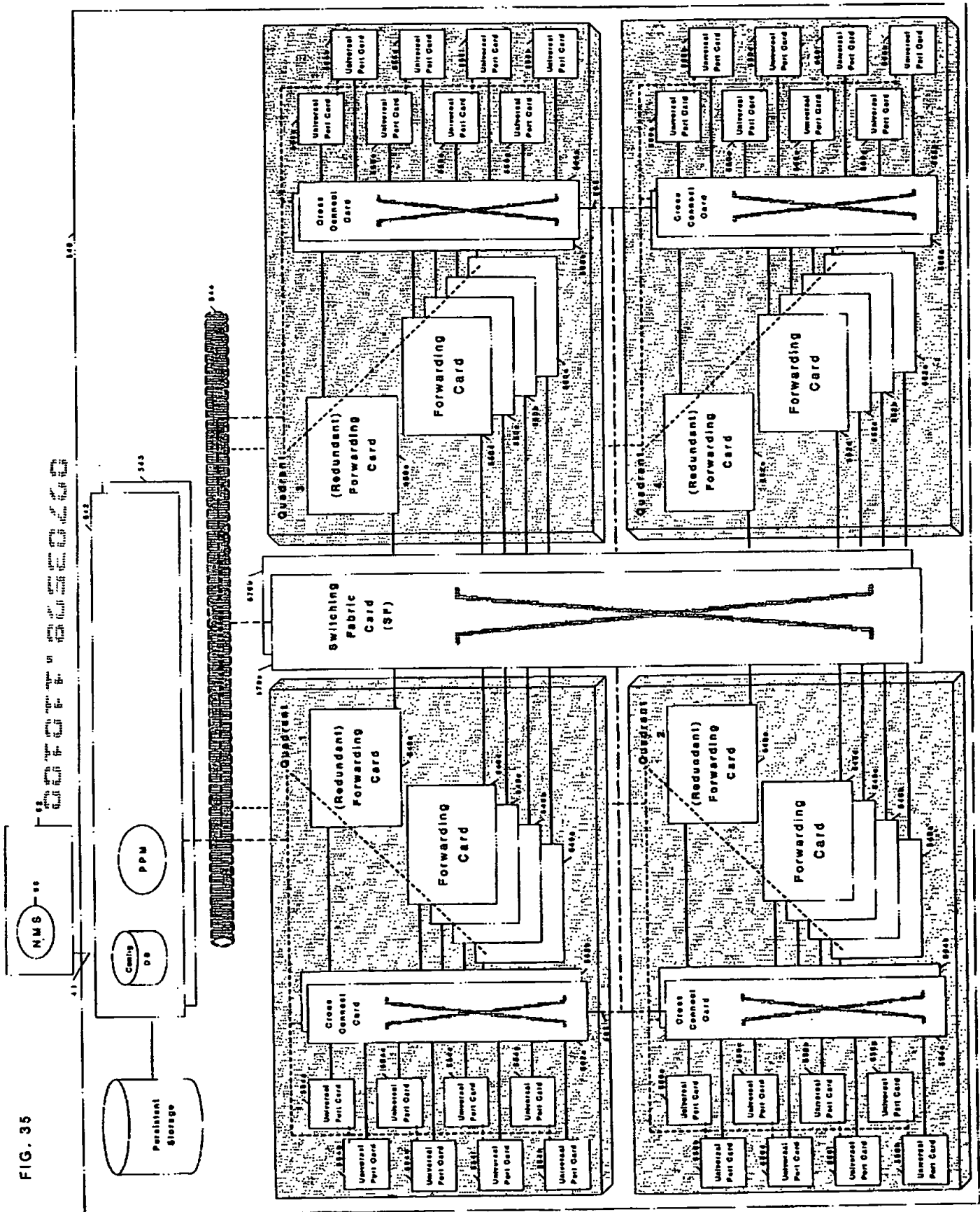


FIG. 35



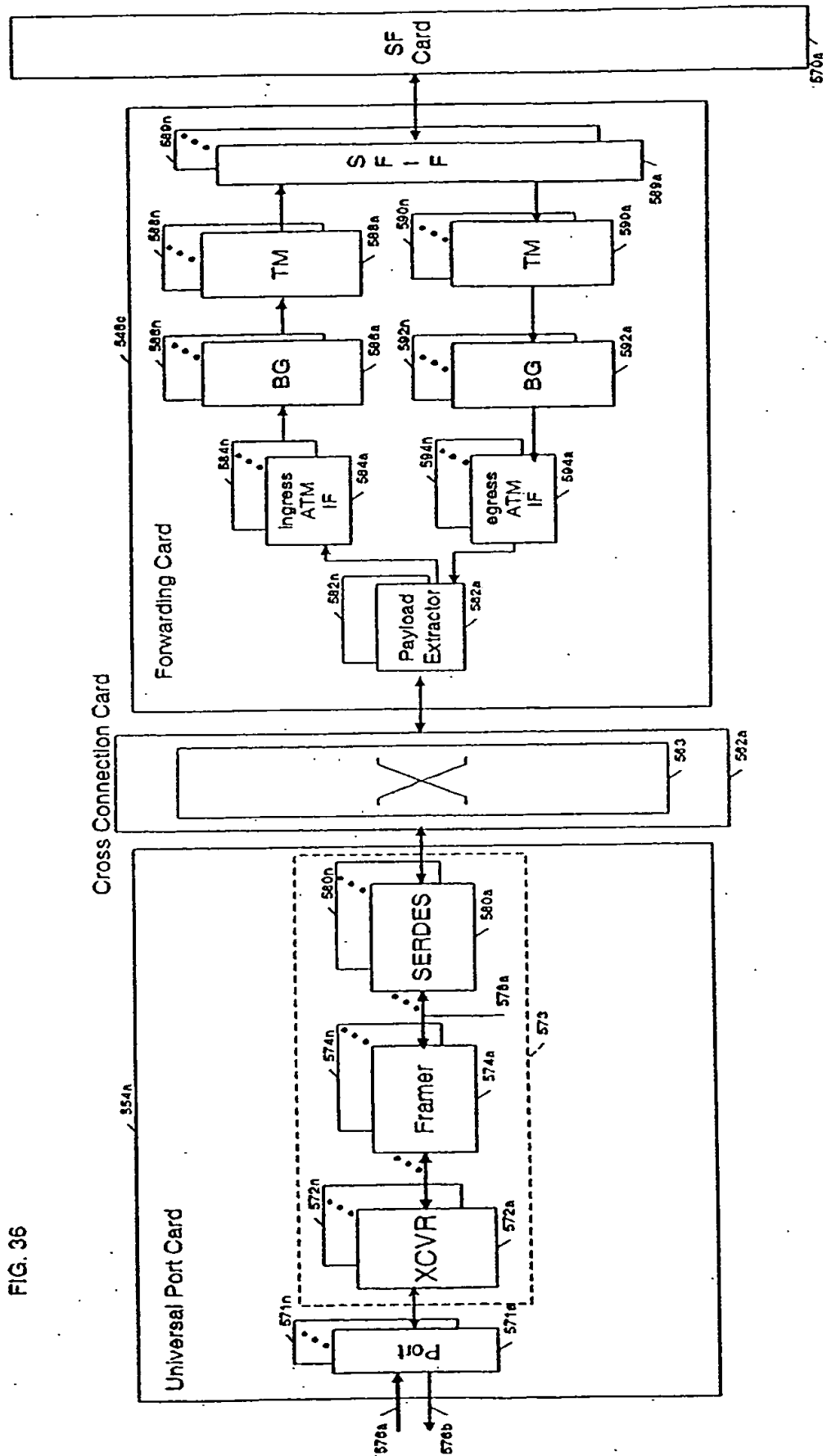


FIG. 36

FIG. 37

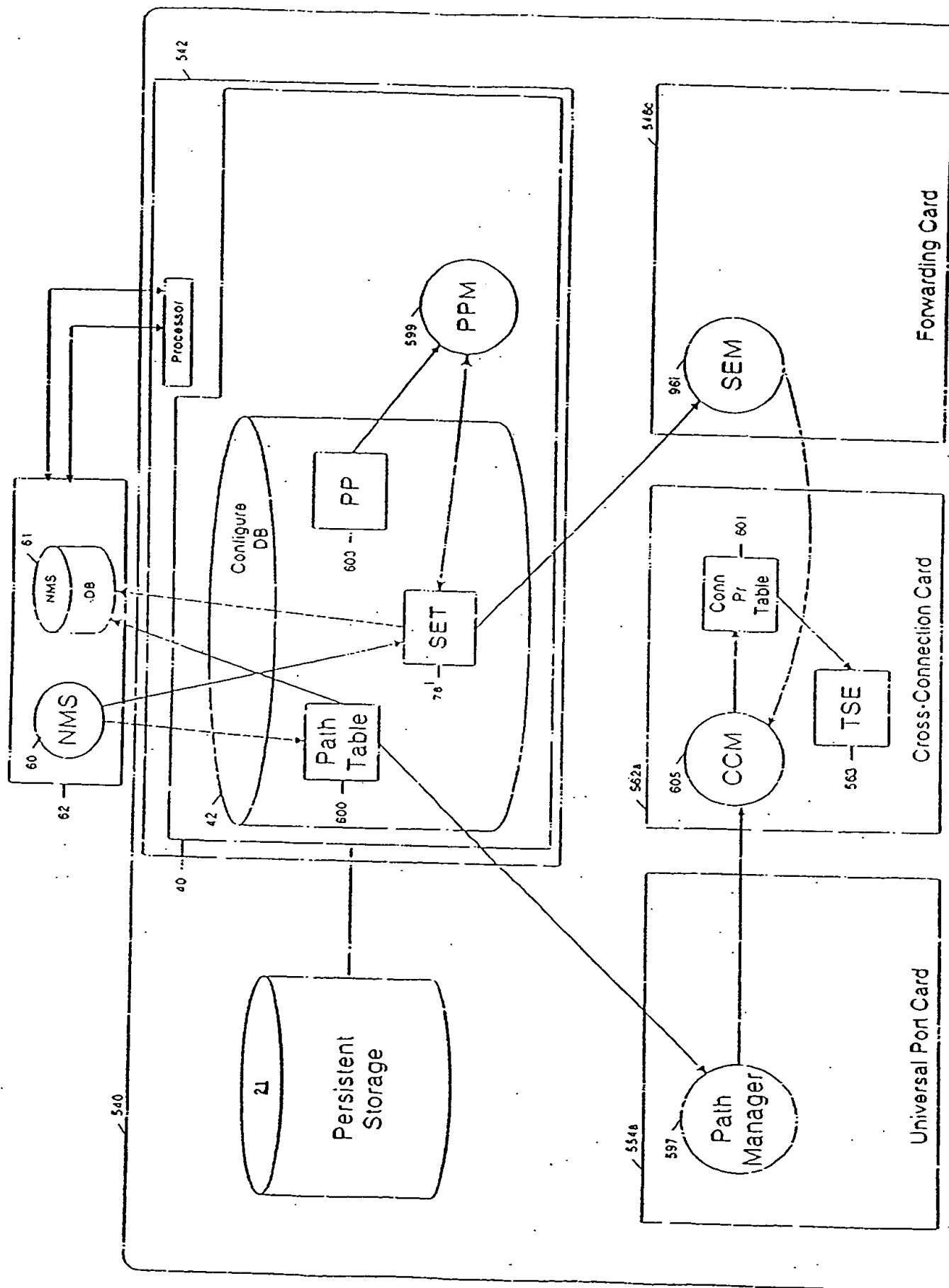


FIG. 38

Path Table 600

602

Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
...

FIG. 39

FIG. 39

Service End Point Table 76'

SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
...

540 →

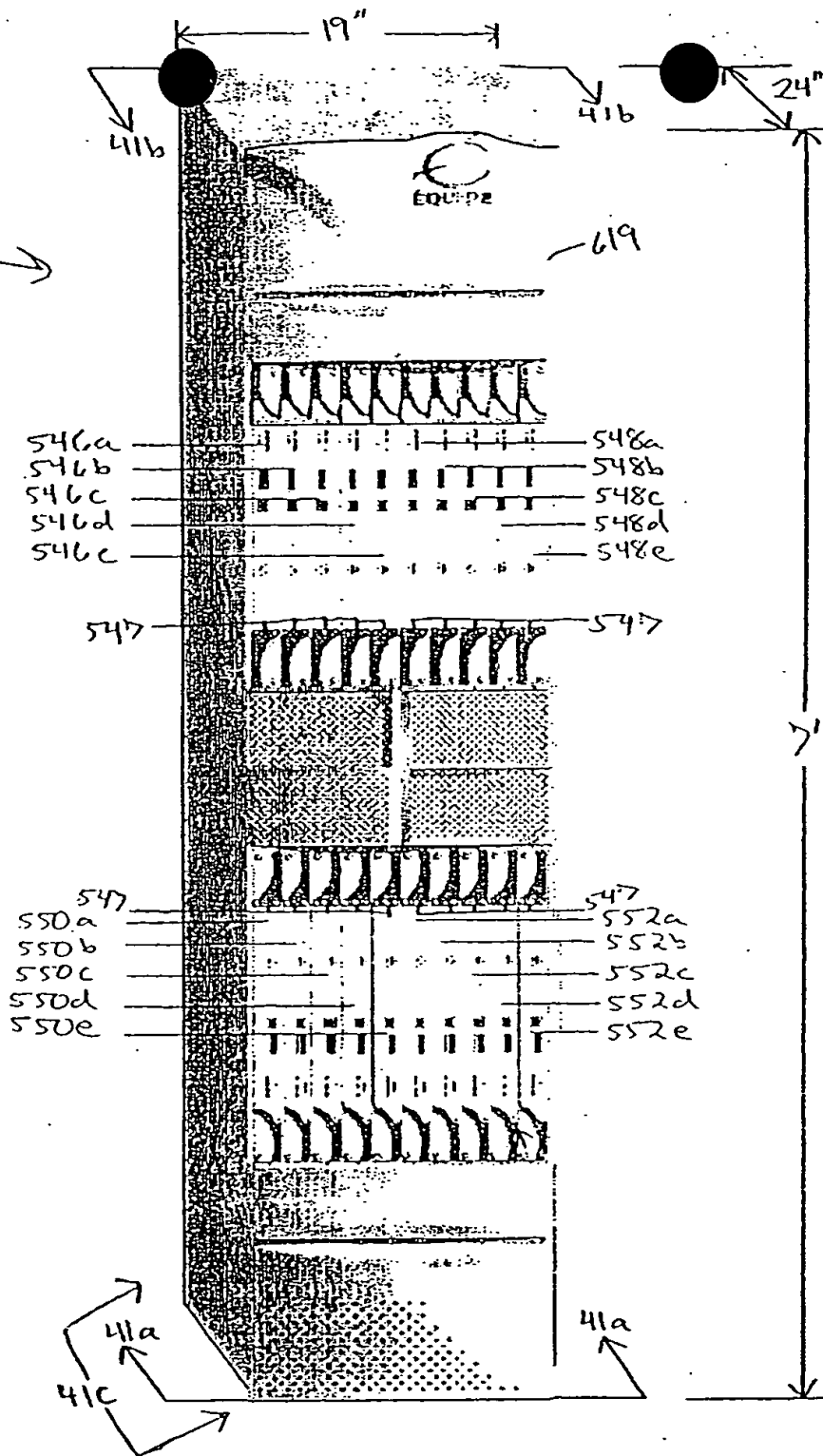


Fig. 40

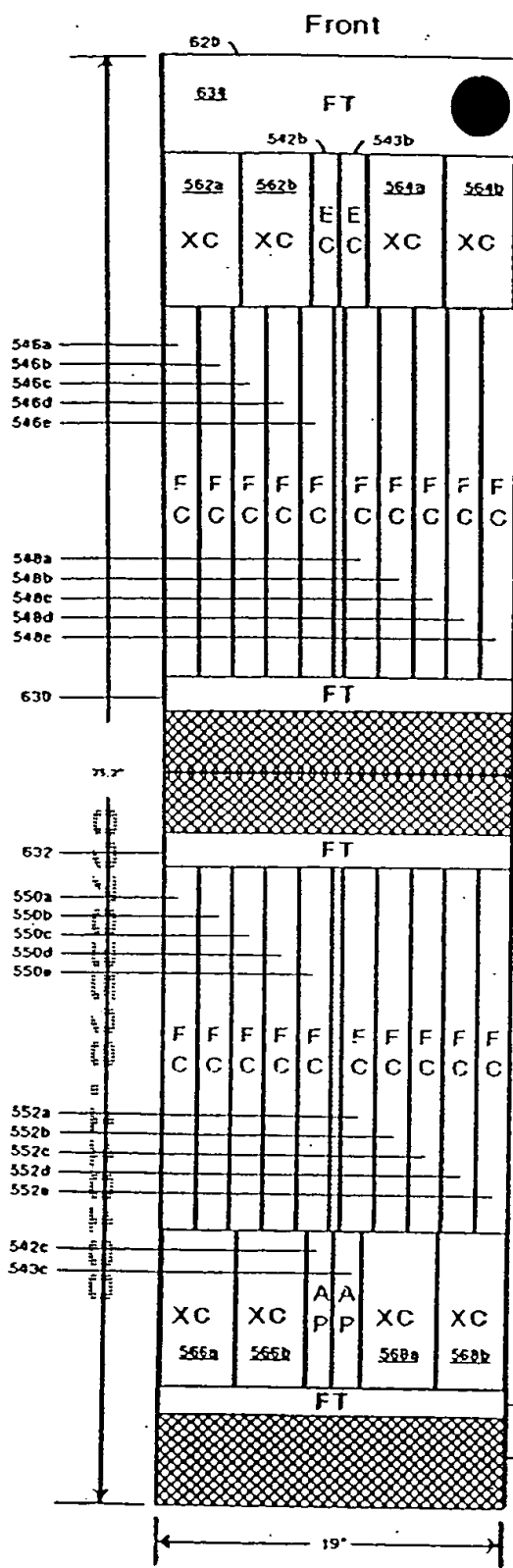


Fig. 41A

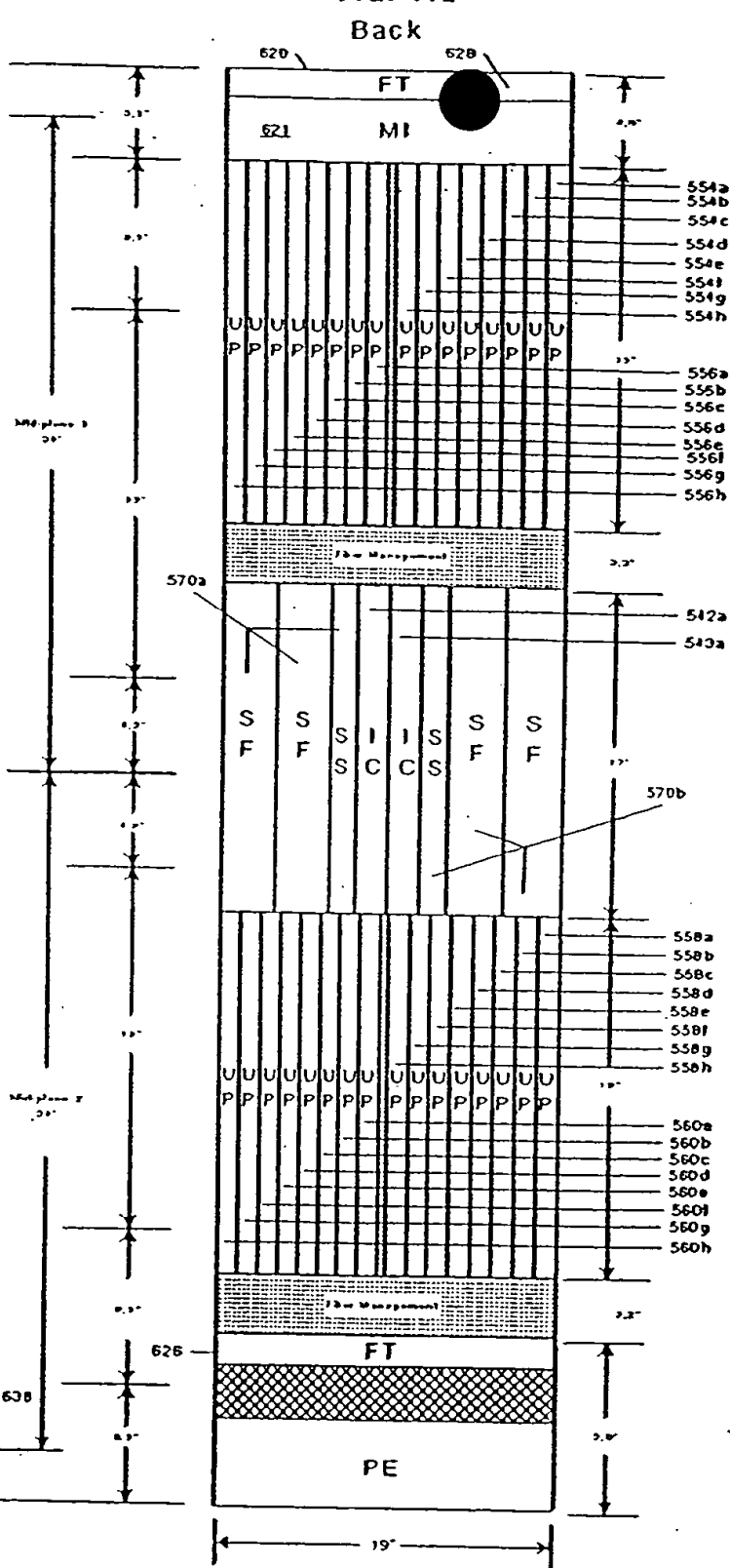


Fig. 41B

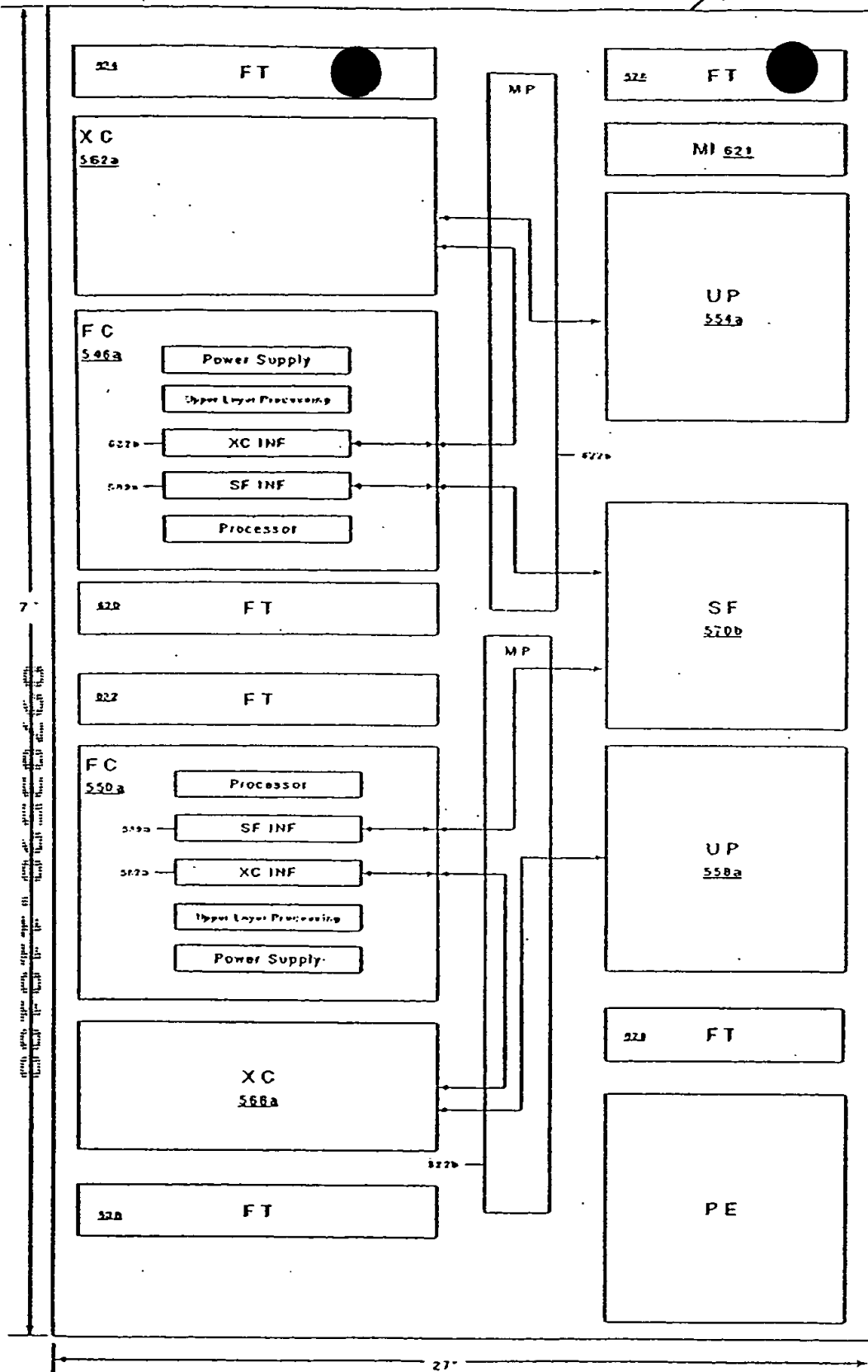


Fig. 41C

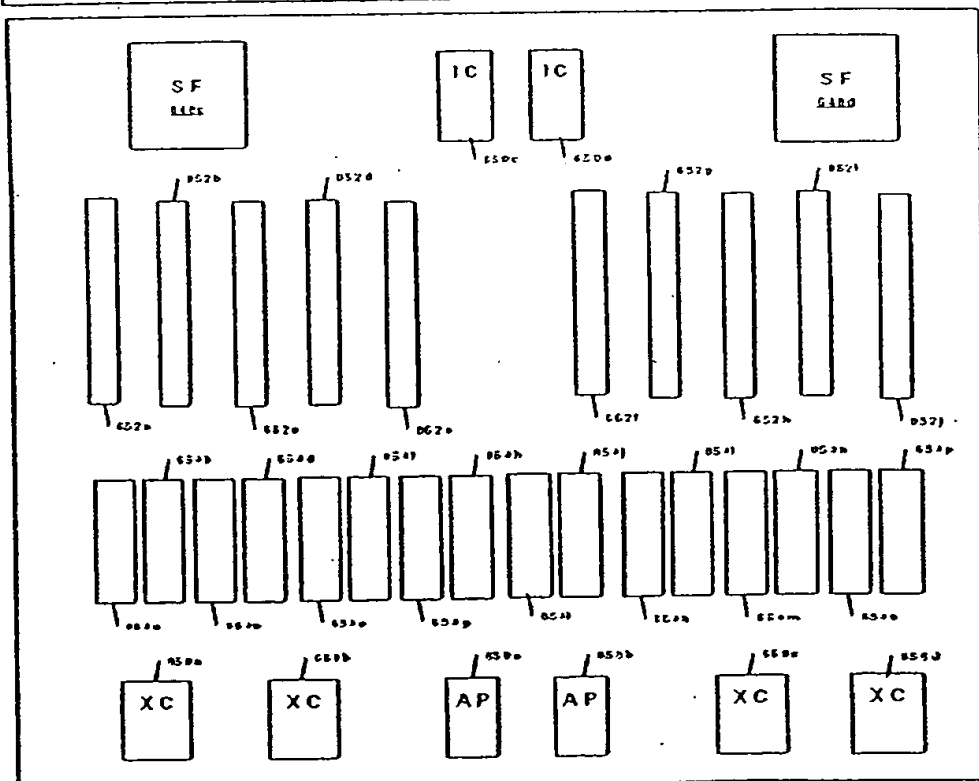
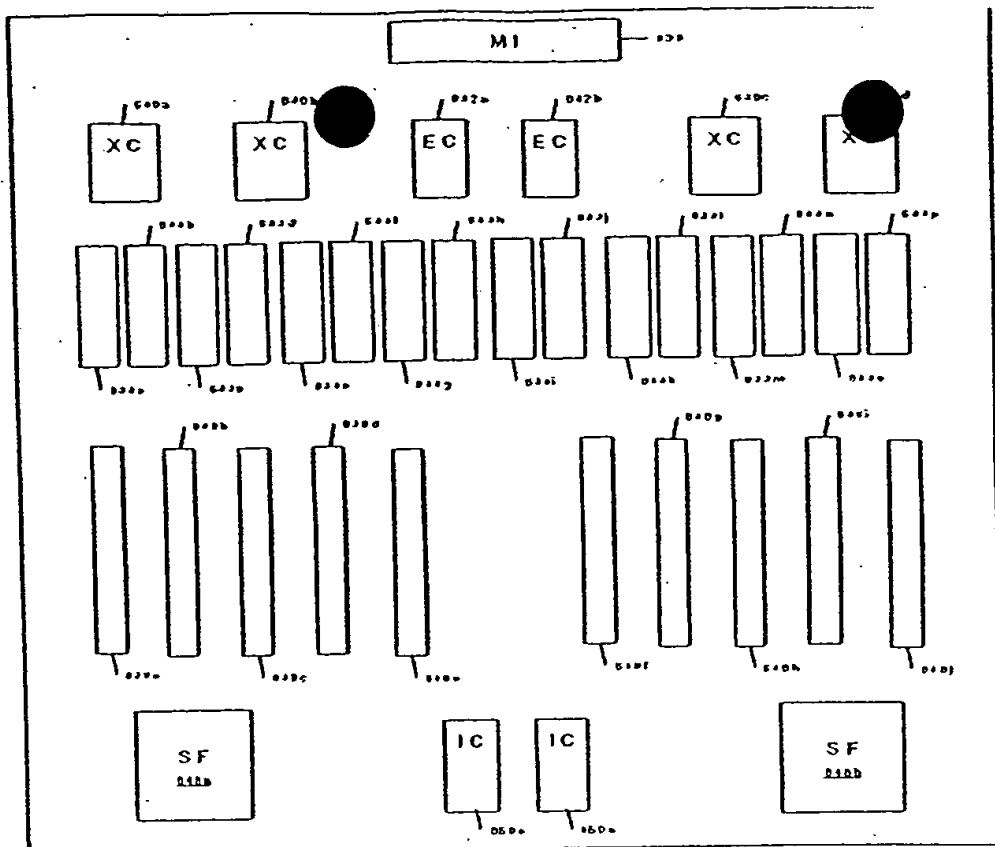
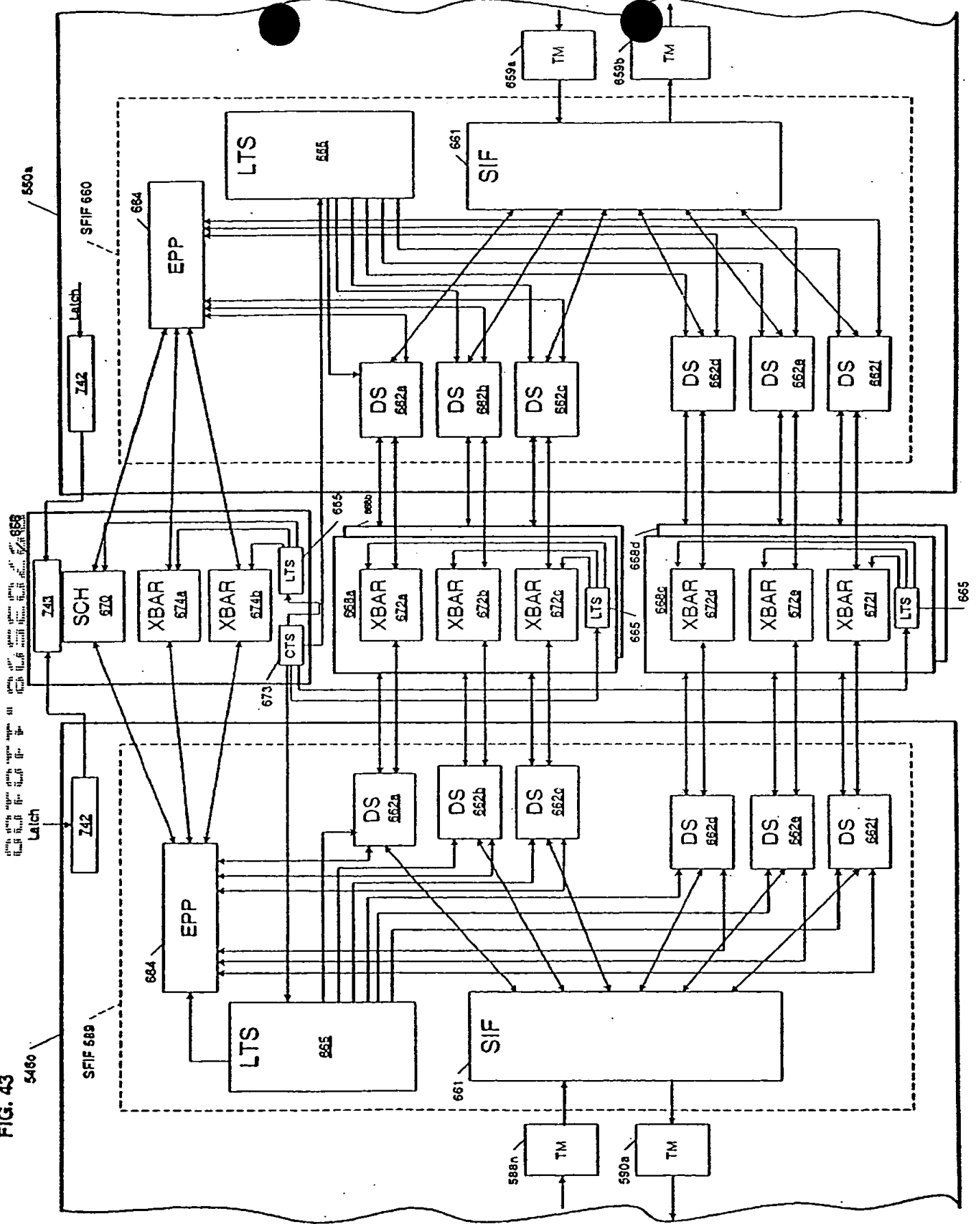


Fig. 42

FIG. 43



540

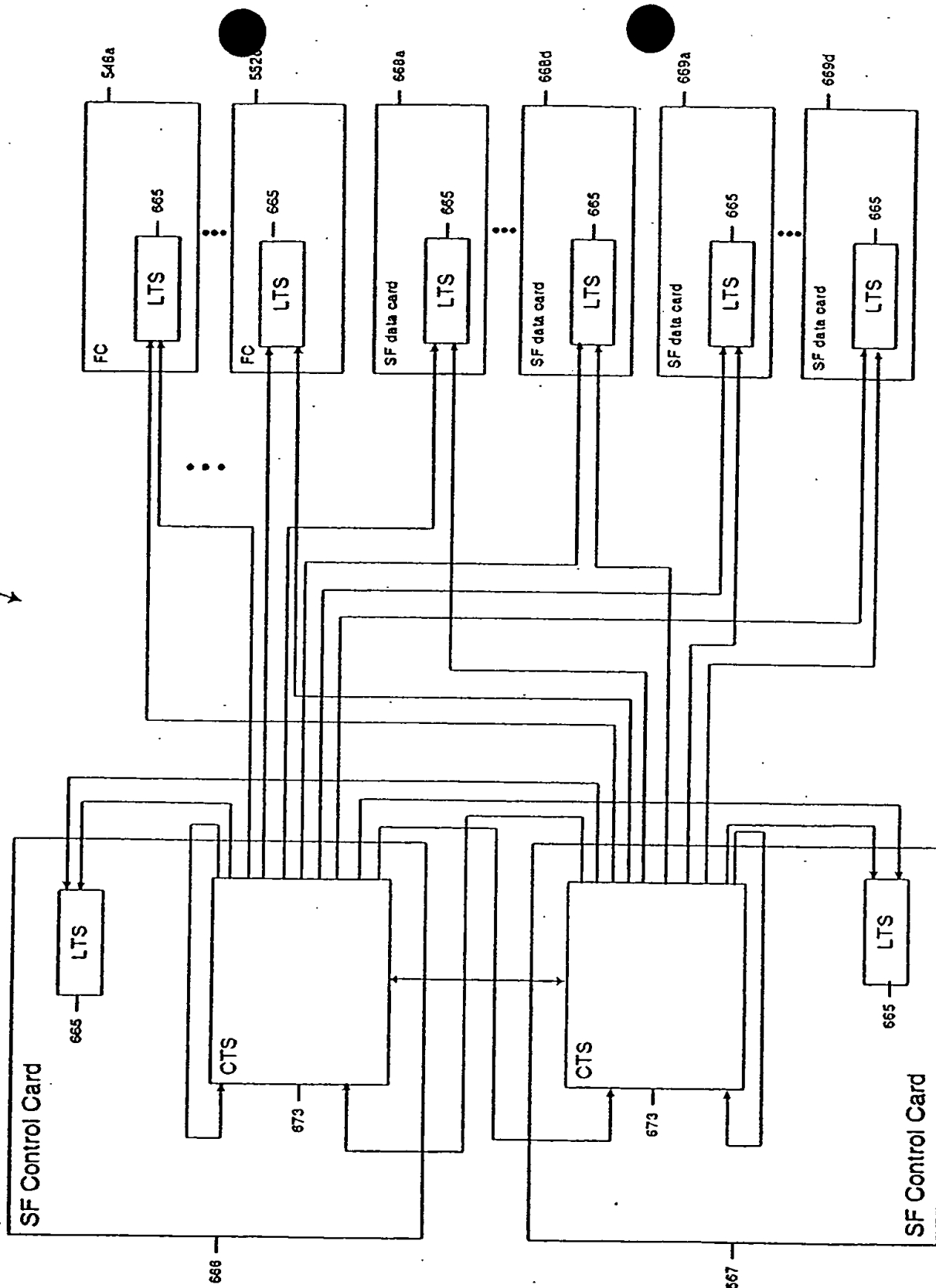
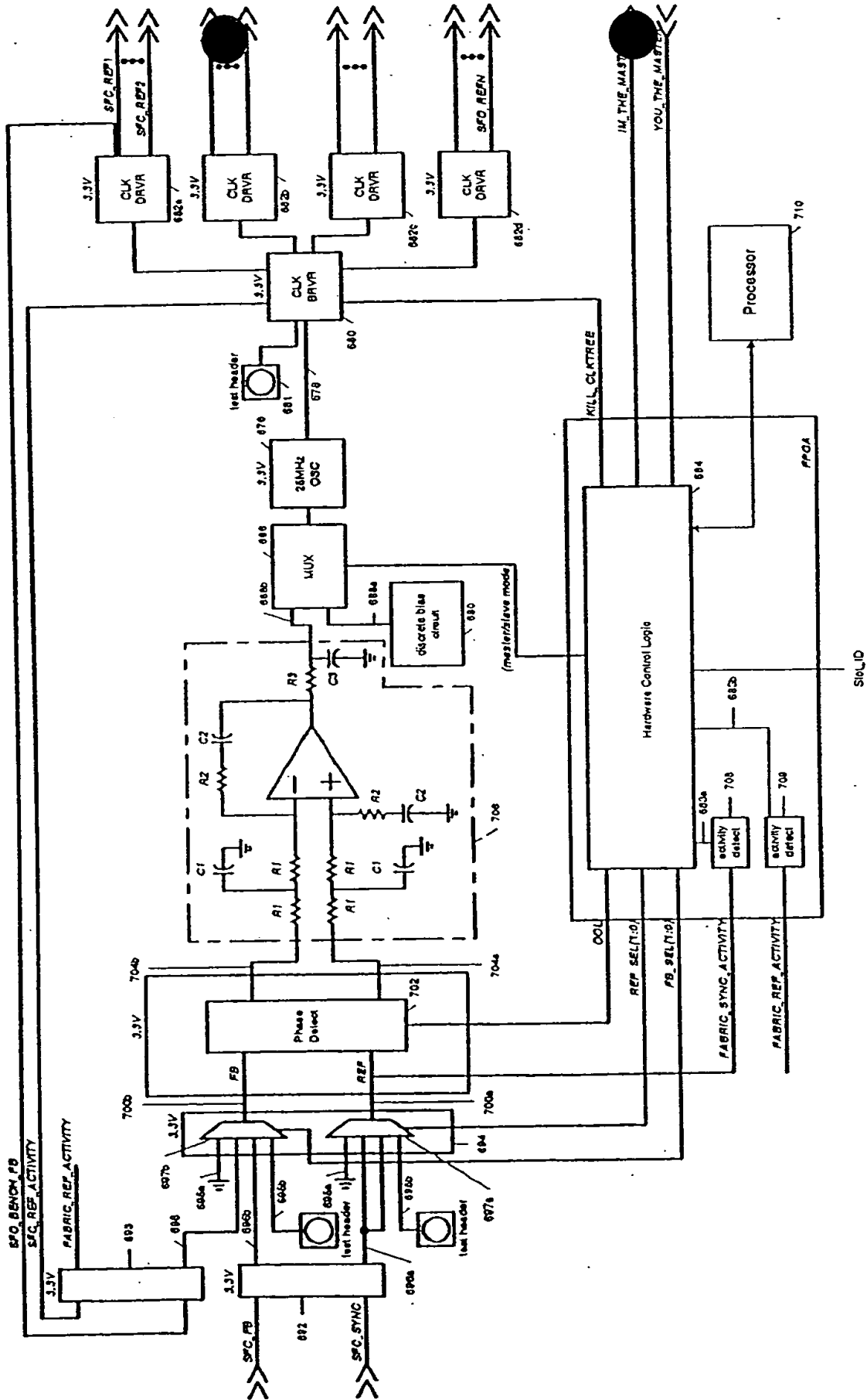


FIG. 44

673

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100



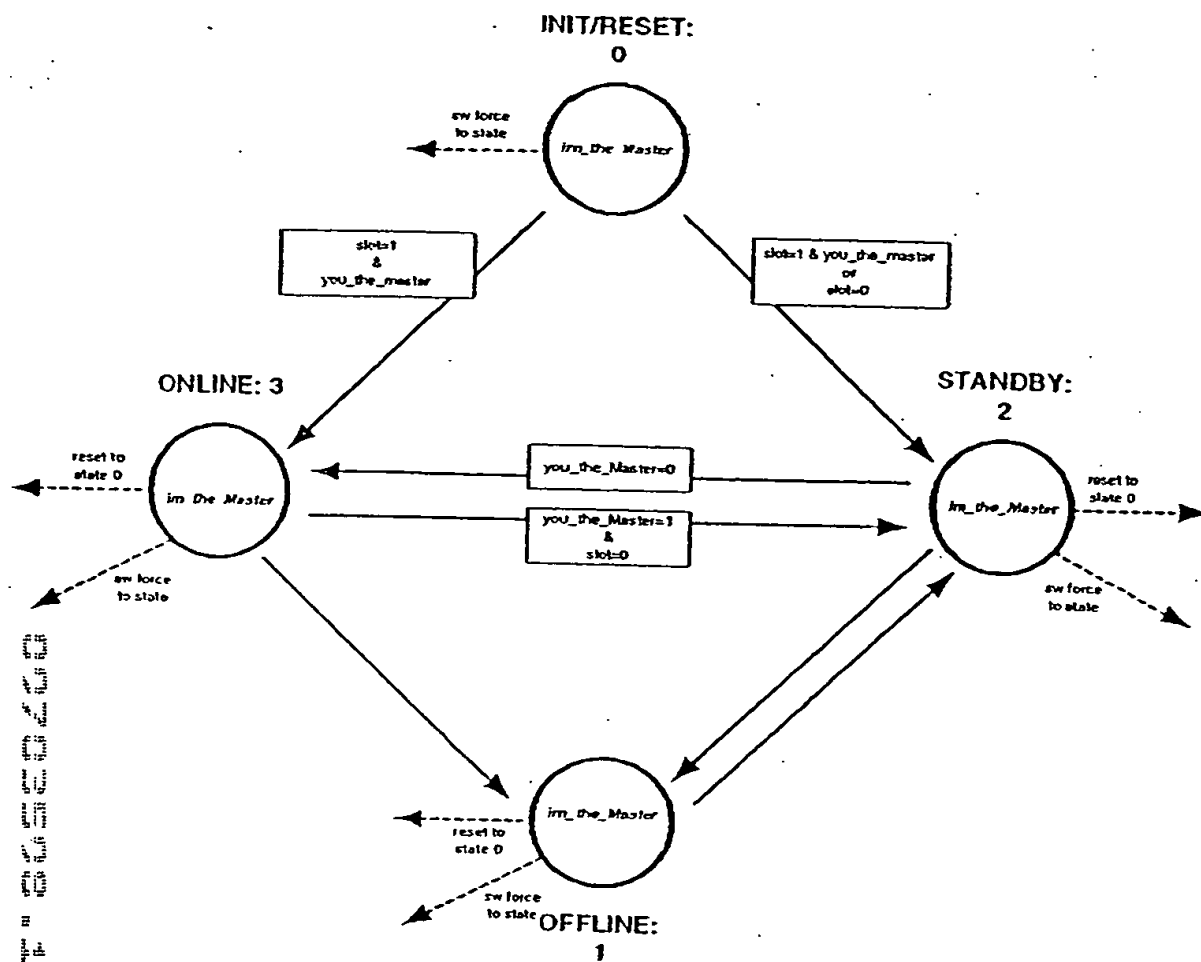
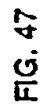


FIG. 46



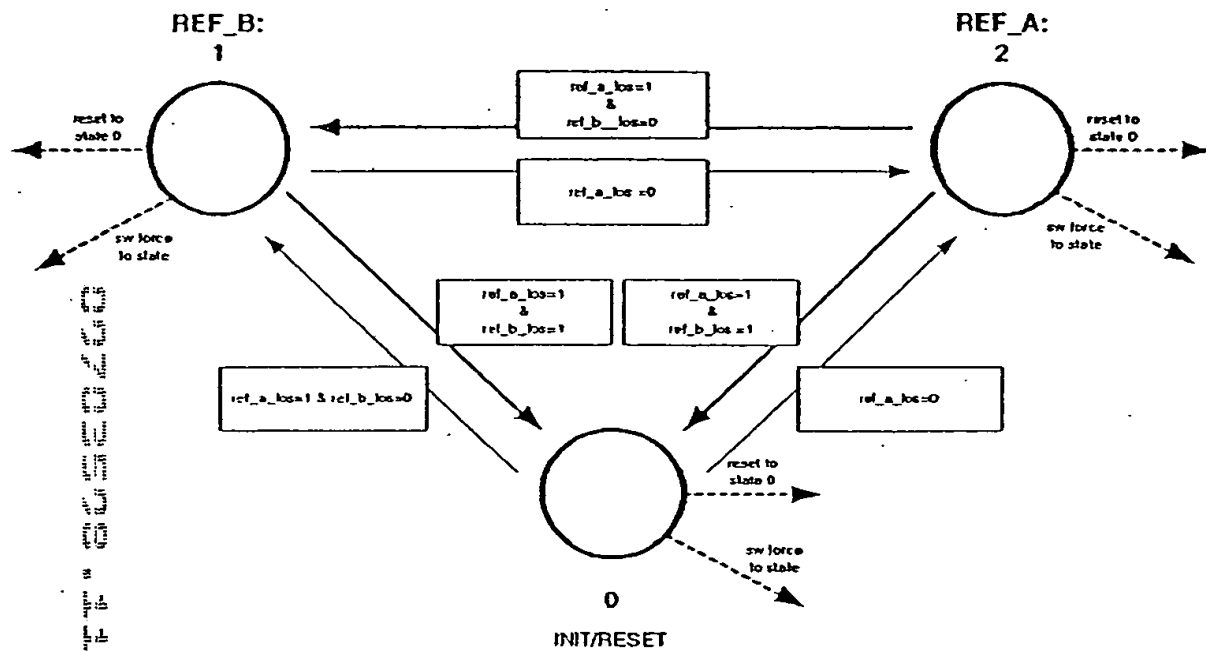


FIG. 48

FIG. 49

Jul-6-00 4:27PM

781 795 2031

Sent By: Equipe Communications

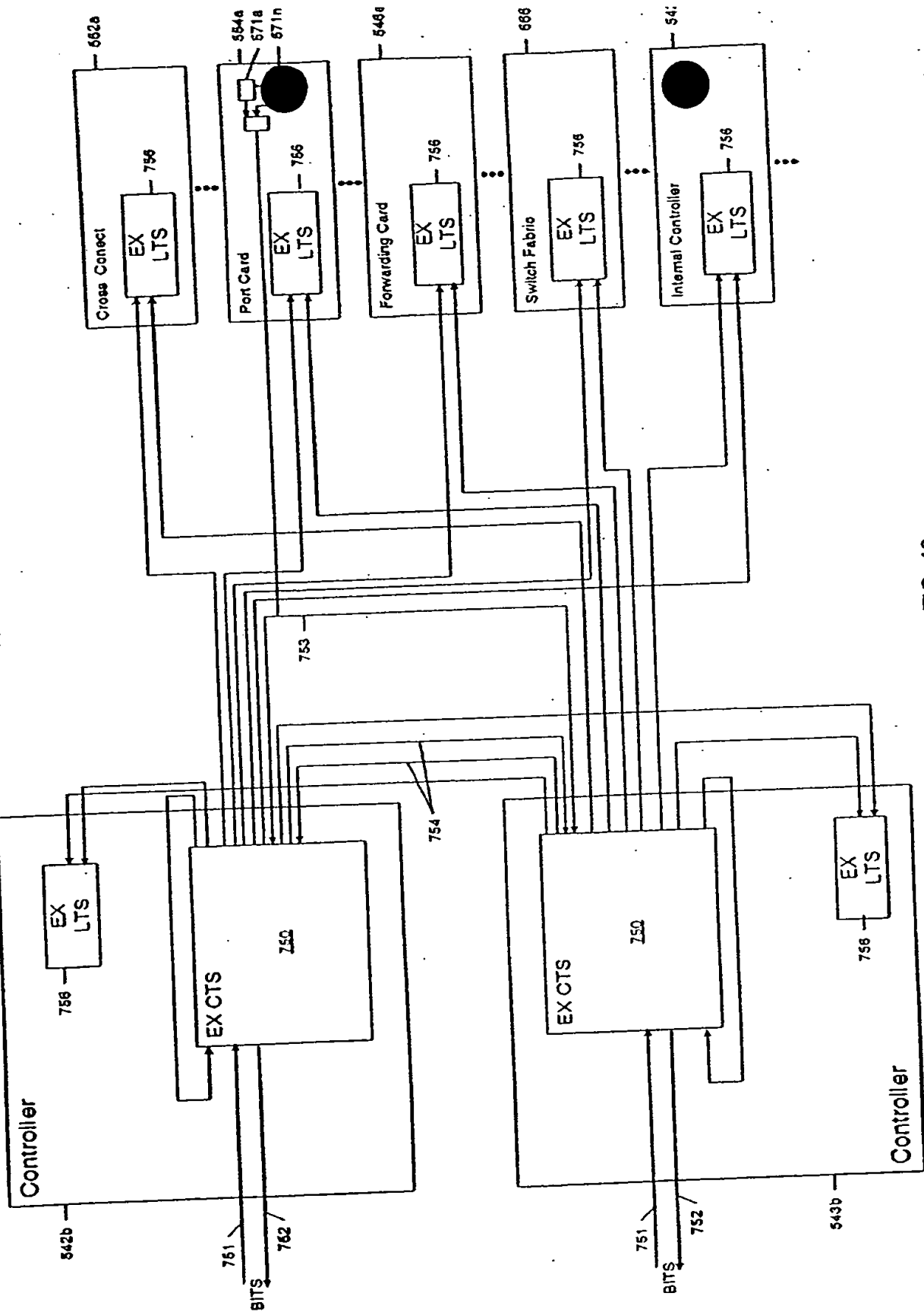


FIG. 49

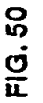


FIG. 50

792

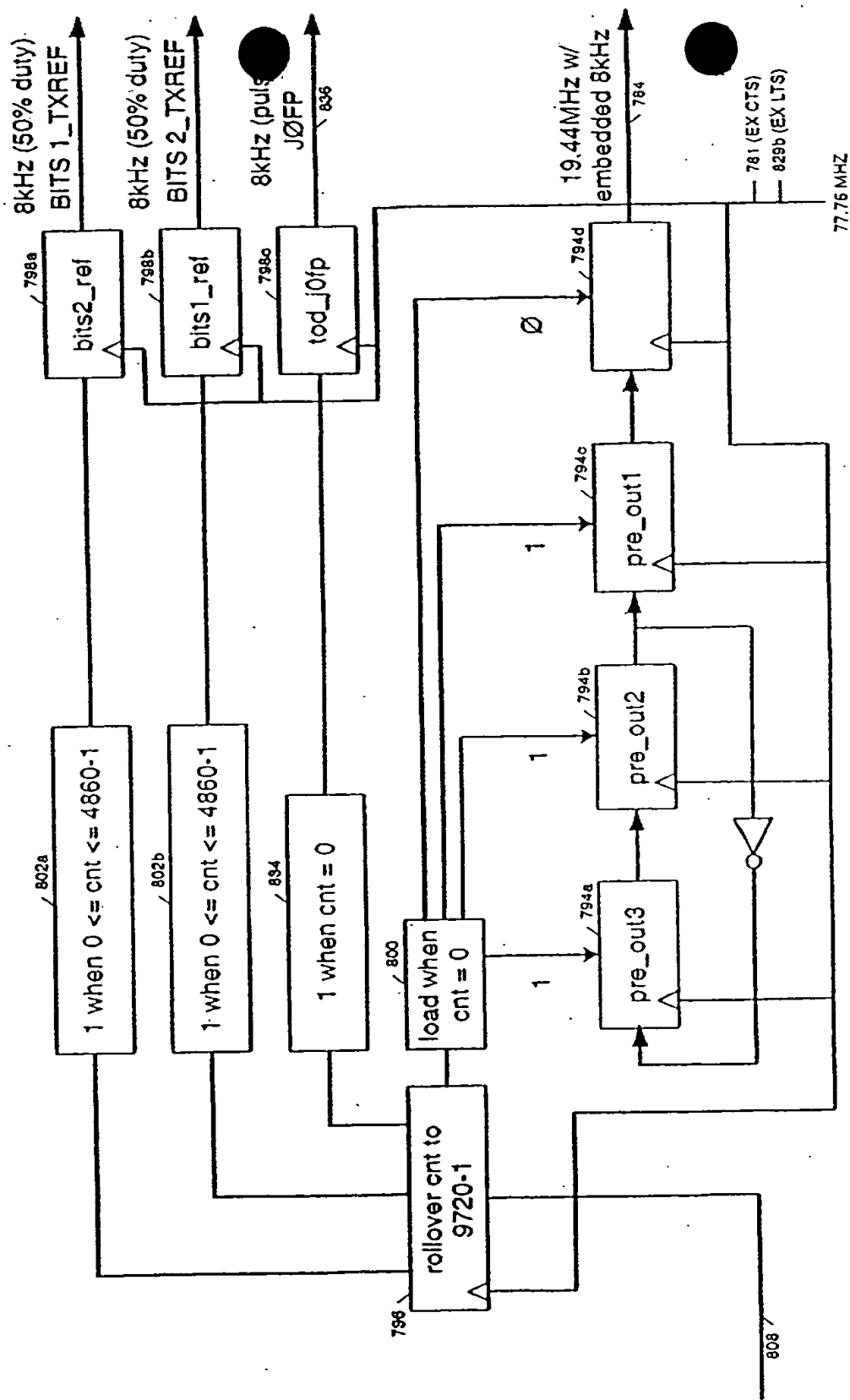
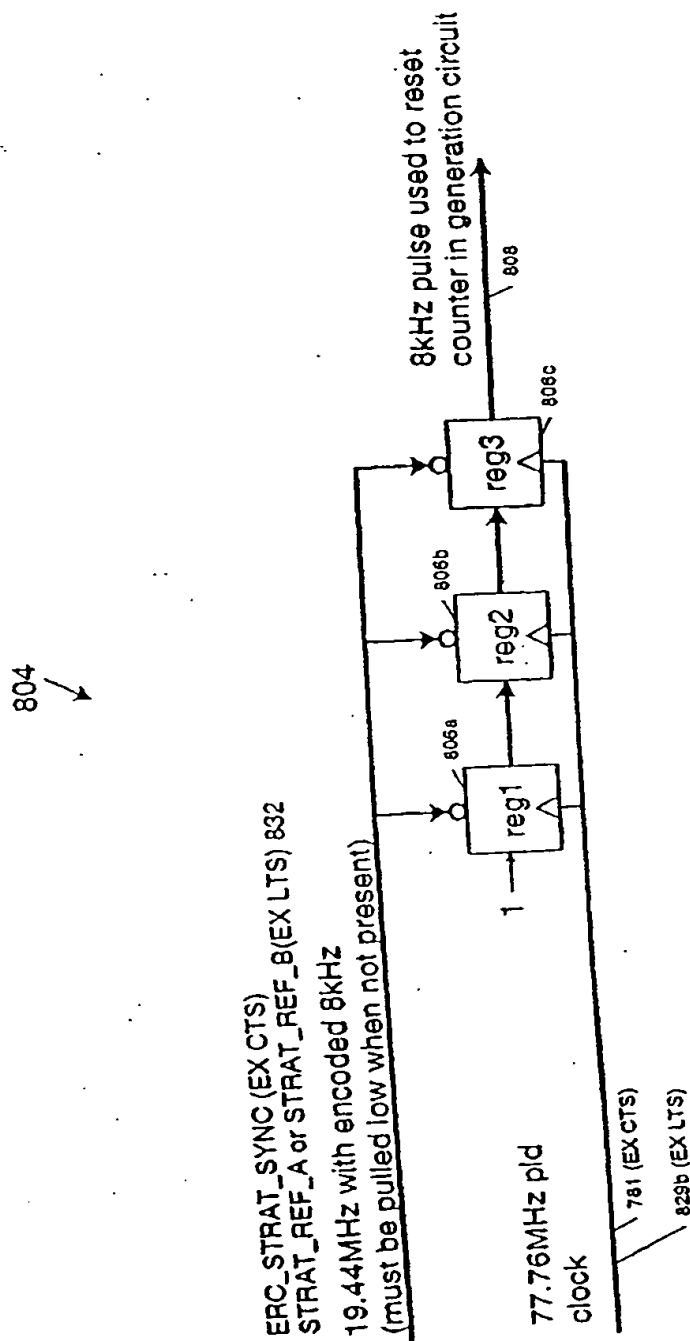
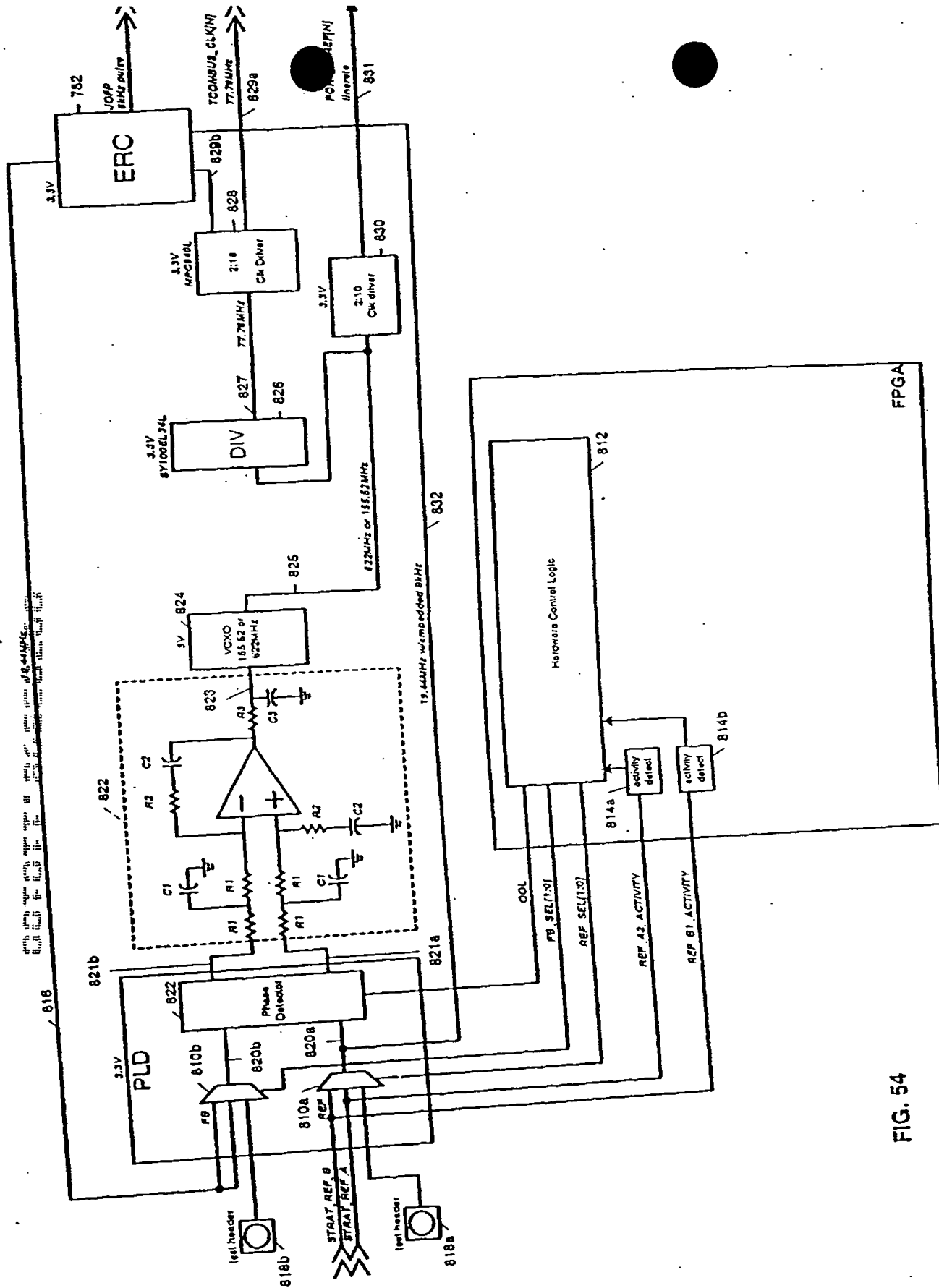


Fig. 52

FIG. 53





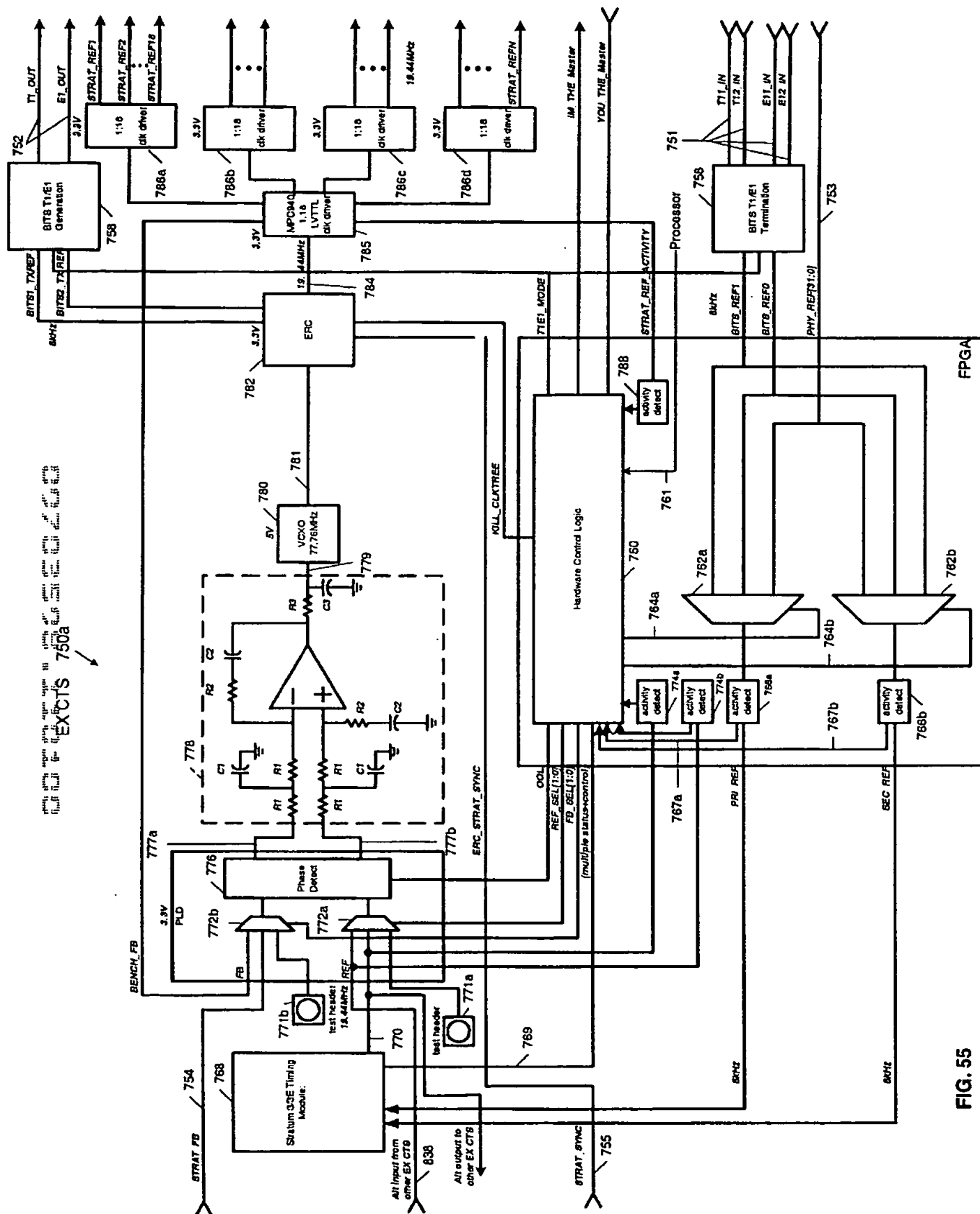


FIG. 56 is a block diagram of a system 540, which includes a Port Card 54a, a Cross-Connect Card 562a, and a Forwarding Card 548a. The Port Card 54a includes three ports 571a, 571b, and 571c, each connected to a corresponding port 576a, 576b, and 576c. The Cross-Connect Card 562a includes a cross-connection matrix 563. The Forwarding Card 548a includes a forwarding matrix 582a and a forwarding matrix 582n. The system 540 is connected to a network 840.

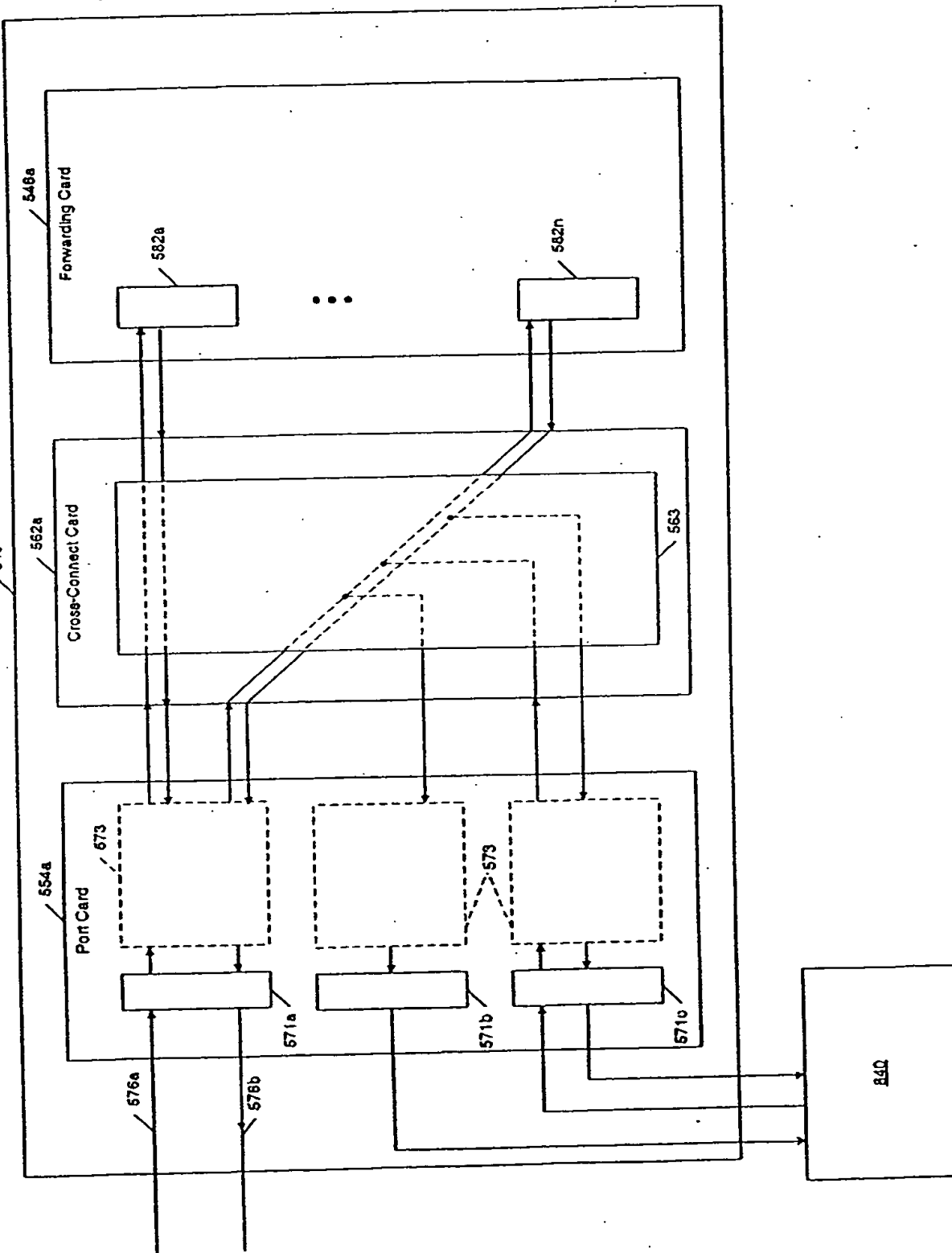


Fig. 56

FIG.57

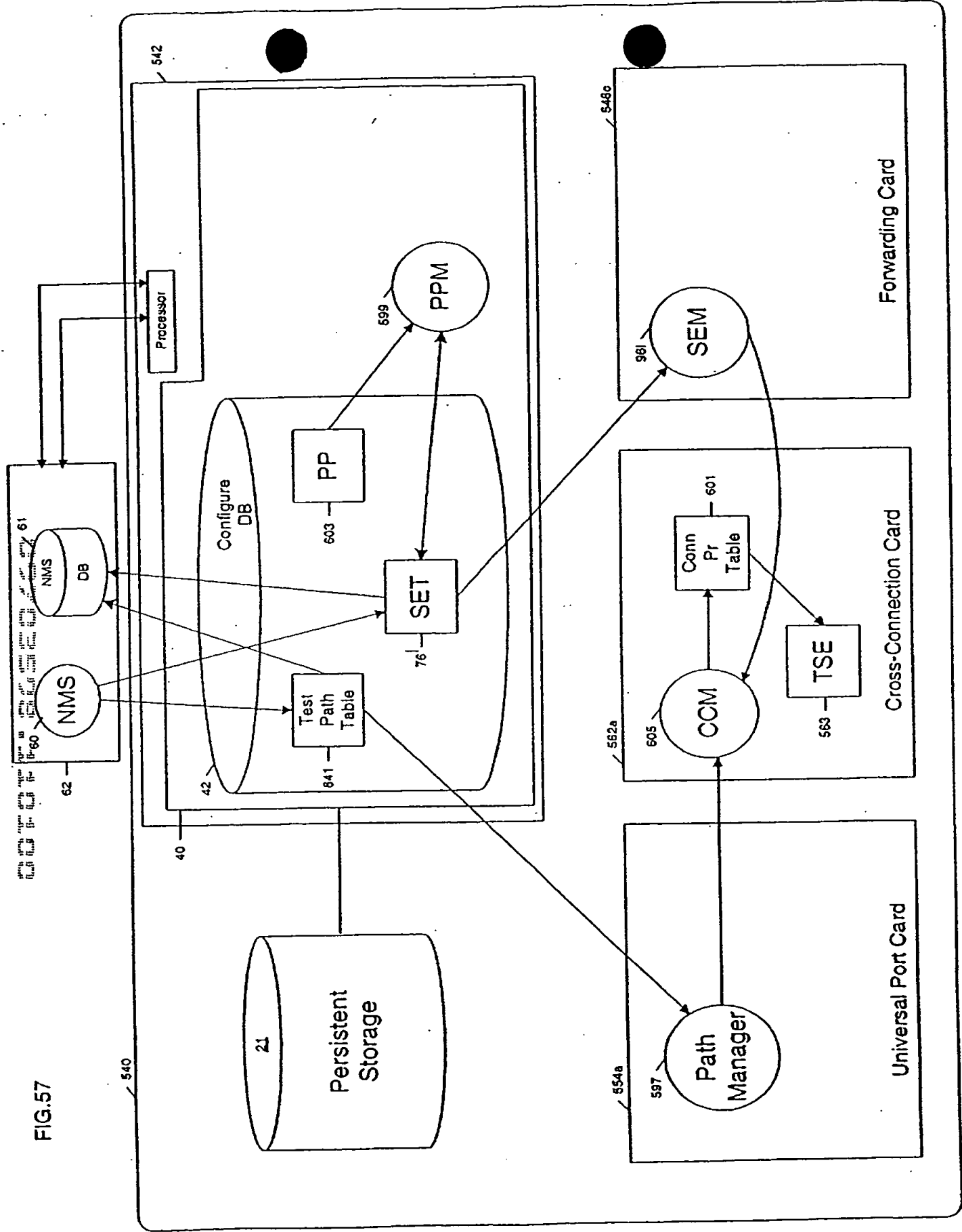


FIG. 58

Test Path Table 841

844		845				
Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver	...
842 1666	1232	4	3	Ingress	No	
843 1666	1233	4	3	Egress	No	
844 1666	1233	4	3	Ingress	Yes	
...
...

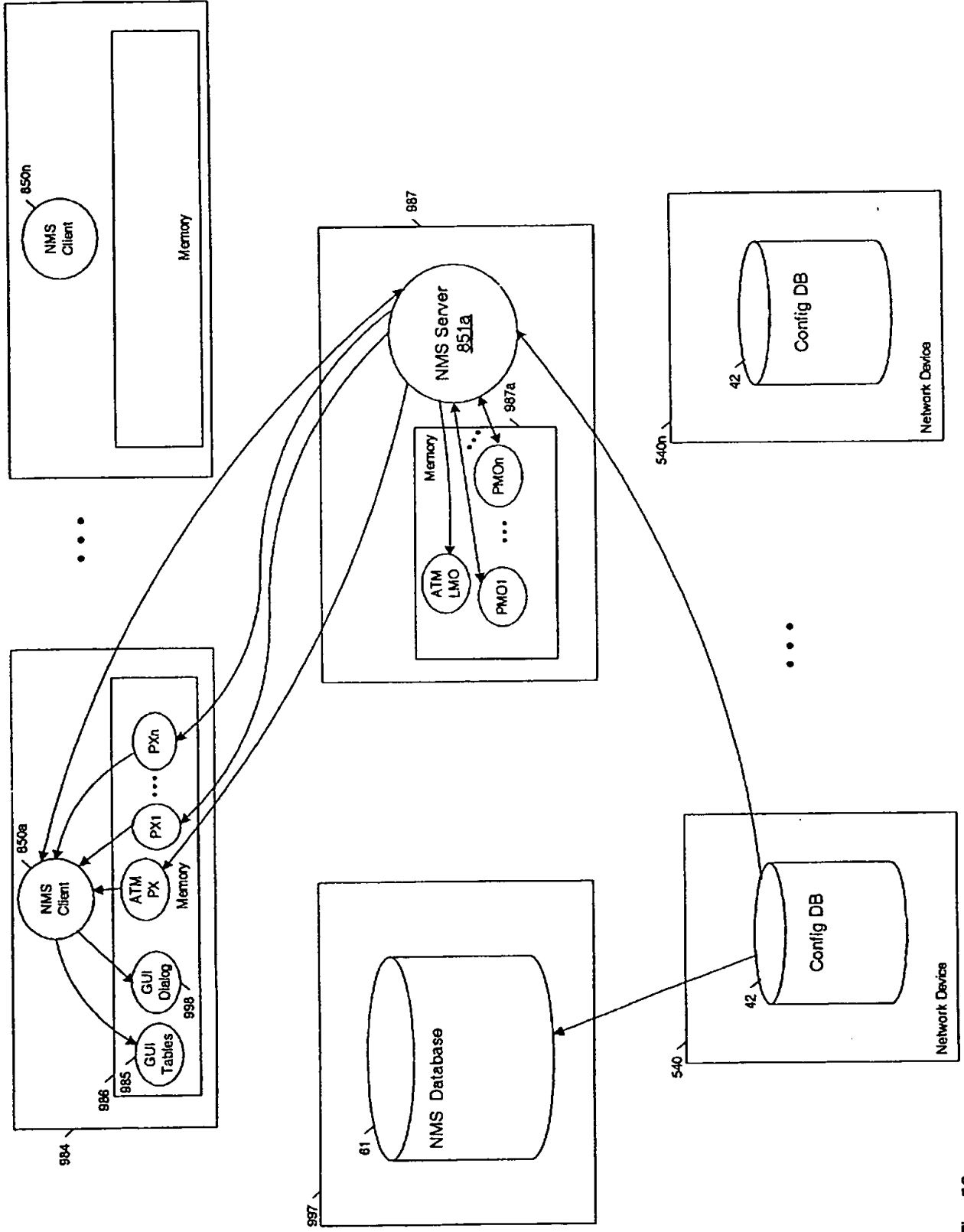


Fig. 59

Fig. 60a

Managed Device Table

PID	A1	...	An
1			

983b points to the first row (PID=1). 983 points to the header row. 983a points to the last column (An).

Fig. 60b

Chassis Table

PID	A1	...	An	Managed Device PID
1				1
⋮	⋮	⋮	⋮	⋮

988b points to the first row (PID=1). 988c points to the header row. 988 points to the last column (Managed Device PID). 988a points to the last row (⋮).

Fig. 60c

Shelf Table

PID	A1	...	An	Chassis PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

989a points to the first row (PID=3). 989 points to the header row. 989b points to the last column (Chassis PID).

Fig. 60d

Slot Table

PID	A1	...	An	Shelf PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

990a points to the first row (PID=20). 990 points to the header row. 990b points to the last column (Shelf PID). 990c points to the second row (PID=21). 990d points to the last row (PID=116).

CARD TABLE

47a		47b		47c	
PID	CWD TYPE	VERSION NO.	SLOT	PID	...
120	0XF002	3	20		
121	0XF002	4	21		
...
124	0X6002	1	24		
...
131	0XF002	1	31		
...

FIG. 60e

PORT TABLE

49a	49b			49c
	PID	PORT TYPE	VERSION NO.	
	300	00620	1	20
	301	00620	1	20
	302	00620	1	20
	303	00620	1	20
	304	00820	1	20
	:	:	:	:
	400	00620	1	39
	:	:	:	:

FIG. 60f

FIG. 60g

SONET Path Table 600

600a	Path LID	Port PID	Time Slot	# of Time Slots	...
600b	901	304	4	3	...

FIG. 60h

Service EndPoint Table 76''

76a	76c	76d	76e	76b	
SE LID	FC PID	FC Slice PID	FC Time Slot	Path LID	...
3000				901	
...

ATM IF Table

ATM IF LID	ATM Group LID	SE LID	...
5054		3000	...
⋮	⋮	⋮	...

Fig. 60j

Virtual ATM IF Table

993a	LID	A1	...	An	993b ATM IF LID	993
	7489				5054	
	⋮	⋮	⋮	⋮	⋮	

Fig. 60k

Virtual Connection Table

994a	LID	A1	...	An	994b Vir. ATM IF LID	994
	⋮	⋮	⋮	⋮	⋮	

Fig. 60L

Virtual Link Table

995a	LID	A1	...	An	995b Vir. Conn. LID	995c Cross-Conn. LID	995
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60m

Cross-Connect Table

996a	LID	A1	...	An	996b Vir. Link1 LID	996c Vir. Link2 LID	996
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60n

ATM Node Table

999

999a

999b

LID	A1	...	An	Managed Device PID
5000				1

999c

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Fig. 61a

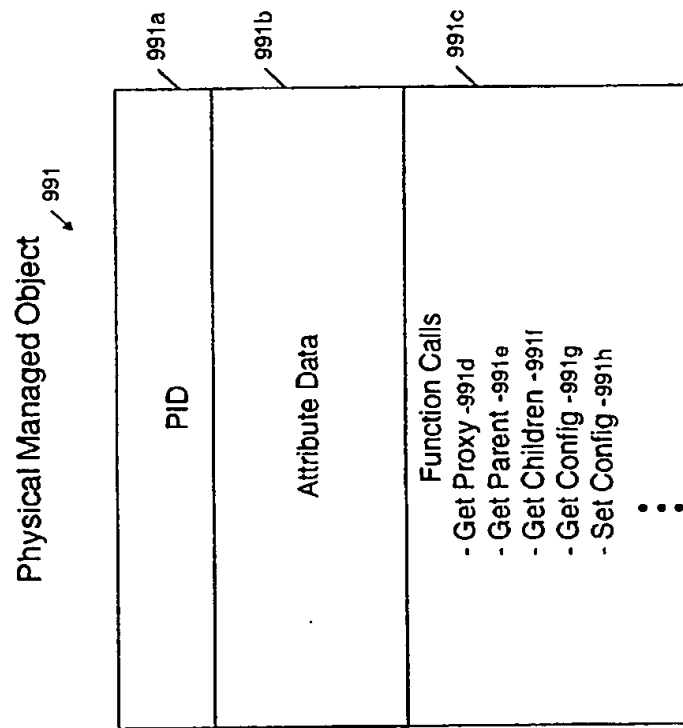
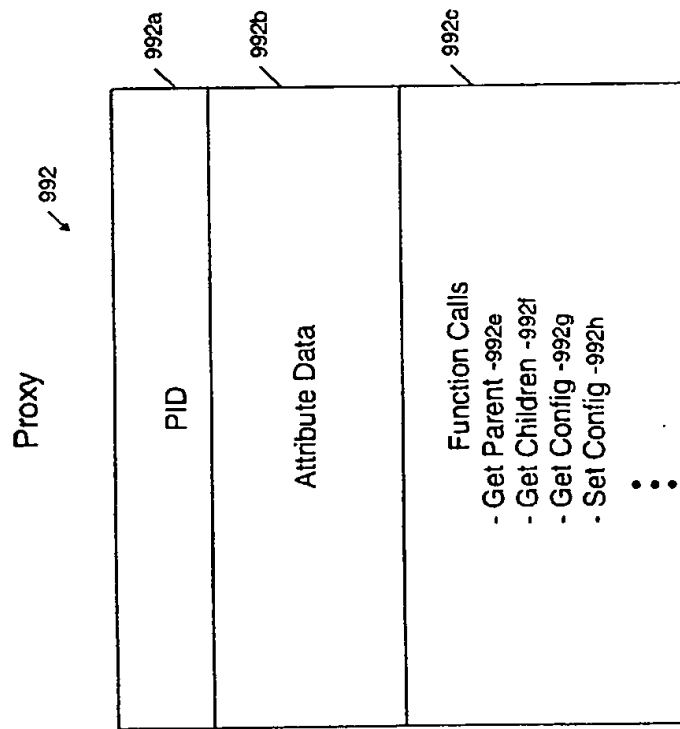


Fig. 61b



997

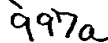


Fig. 62

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